

Appendix D6 – Management Programs (Public Education)

Outreach Tracking FY20

Date	Staffed By	Group	Event	Location	Hours	Number Reached	Category
Memorial Day 2019 - Labor Day 2019	Laura Coste' and Intern	Public	Summer Adventure	Harford County	Countless	1011	Public Outreach Events
7/13/2019	Laura Coste' and Master Gardeners	Public	Plant With a Purpose	Home Depot, Bel Air	3	200	Public Outreach Events
7/20/2019	Christine, Michele, Laura, Nick, Scott, (MWS) Allison Mosley, Bryon Bodt, Stephanie Noye, and other Outreach Partners	Public	2019 Poker Run	Eden Mill	6	67	Public Outreach Events
7/25/2019	Christine Buckley, Scott Kearby, and CBT Trust Staff	Public	CBTrust Grant Workshop	Mcfaul Activities Center	1	4	Public Outreach Events
8/9/2019	Laura Coste' and Laura MruGalski	Public	Pet Waste Poll	Pet Smart, Bel Air	3	80	Public Outreach Events
8/22/2019	Christine Buckely, Laura Coste' and Scott Kearby	Public	MS4 Permit Modification Public Hearing (Nutrient Trading)	212 S Bond St	1	2	Public Outreach Events
11/2/2019	Laura Coste', Michele Dobson amd George Wiggins (MWS)	Public	Fall Fest	Eden Mill	6	900	Public Outreach Events
11/6/2020	Laura MruGalski and Michele Dobson	Public	Anita C. Leight 23rd Annual Wade-In Festival	Virtual	4	Countless	Public Outreach Events
FY20	Christine Buckley	Environmental Club Forest Hill Elementary School	Tree Inventory	FHES	4	20	School Activities
3/9/2020	Michele Dobson	Edgewood Elementary School	Career Fair	EES	4	250	School Activities
FY20	Laura Coste' and Laura MruGalski	Facebook	Post and Events	Harford County	Countless	129,709	Miscellaneous
FY20	Anita C. Leight Estuary Center Staff	Various Groups and Public	Activities	Anita C. Leight Estuary Center	Countless	3,678	Miscellaneous
FY20	Eden Mill Nature Center	Various Groups and Public	Activities	Eden Mill Nature Center	Countless	3,736	Miscellaneous
FY20	Laura Coste' , Intern and Master Gardeners	Master Gardeners	Plant With a Purpose	Home Depot, Bel Air	Countless	Countless	Miscellaneous
FY20	Scott, Christine, Michele, Dominic, Laura and Kelsey Brooks (UMD)	Watershed Stewards Academy Class of 20-02	Watershed Stewards Academy	HCC and various locations in HC	42	9	Miscellaneous
FY20	Harford County Office of Drug Control Policy, Harford County Sheriff's Department, MD State Police, Havre de Grace Police department and U.s. Drug Enforcement Administration	Public	Drug Take Back and Drop-Off Boxes	Various	Countless	Countless	Miscellaneous
FY20	Laura Coste'	Outreach Partners and Master Watershed Stewards	Monthly Bulletin	Email	96	35	Miscellaneous
7/16/2019	Scott, Christine, Michele, Dominic, Laura and Kelsey Brooks (UMD)	Master Watershed Stewards	Quarterly Meeting	Bel Air	2	8	Miscellaneous
7/16/2019	Christine, Laura, Michele, Scott and Nick	HCG & Partners	Outreach Coordination Meeting	212 S Bond St	1.5	9	Miscellaneous
7/17/2019	Christine Buckley, Michele Dobson and Laura Coste'	Harford Leadership Academy	Outreach Harford Streams Presentation	Bel Air	3	40	Miscellaneous
8/6/2019	Scott, Christine, Michele, Dominic, Laura and Kelsey Brooks (UMD)	HCG & Watershed Stewards	Bear Cabin Restoration Tour	Bel Air	3	15	Miscellaneous
9/17/2019	Christine, Laura, Michele, Scott, Nick	HCG & Partners	Outreach Coordination Meeting	212 S Bond St	1.5	9	Miscellaneous
9/18/2019	Scott and Laura	Watershed Stewards Academy Partners	Outreach Coordination Meeting	Conference Call	4	15	Miscellaneous
10/15/2019	Scott, Christine, Michele, Dominic, Laura and Kelsey Brooks (UMD)	Master Watershed Stewards	Outreach Coordination Meeting	Bel Air	2	8	Miscellaneous
11/12/2019	Christine, Laura, Michele, Scott, Nick	HCG & Partners	Outreach Coordination Meeting	212 S Bond St	1.5	8	Miscellaneous
12/18/2019	Christine Buckley and Laura Coste'	HCG & Partners	Harford SCD Urban Conservation Outreach	Harford County Agricultural Center	1	12	Miscellaneous
12/25/2019	Christine Buckley	HCG & Partners	Coordination Watersheds & Environmental Planning	212 S Bond St	1.5	10	Miscellaneous

Date	Staffed By	Group	Event	Location	Hours	Number Reached	Category
1/14/2020	Christine, Laura, Michele, Scott, Nick	HCG & Partners	Outreach Coordination Meeting	212 S Bond St	1.5	12	Miscellaneous
1/17/2020	Scott Kearby, Christine Buckley and Laura Coste'	Interfaith Partners for the Chesapeake	Kickoff Meeting for CBT Grant	212 S Bond St	0.5	3	Miscellaneous
1/27/2020	Christine Buckley and Scott Kearby	Gunpowder River Keeper	CBT Grant for Outreach Meeting	212 S Bond St	1	2	Miscellaneous
1/28/2020	Christine, Laura, Michele, Scott, Nick	Planning and Zoning Staff	Coordination Watershed Protection & Environmental Planning	212 S Bond St	1.5	7	Miscellaneous
1/30/2020	Chritstine Buckley	Residents of Sunnyview Project	Outreach / Project Update	Bel Air	1	2	Miscellaneous
1/30/2020	Christine, Laura, Michele, Scott, Nick	HCG, Ecotone, Town of Bel Air	Mary Risteau District Courthouse Rain Garden Project Meeting	212 S Bond St	1	6	Miscellaneous
1/30/2020	Christine Buckley and Laura Coste'	Master Gardeners and Bell Nursery	Native Plants Meeting	212 S Bond St	1.5	3	Miscellaneous
2/3/2020	Christine Buckley	HCG & Partners	MS4/ WWTP Sewer Manifest and Outreach Discussion	Bel Air	1.5	4	Miscellaneous
2/6/2020	Christine Buckley, Laura Coste', and Scott Kearby	HC Parks and Recreation	Proposed Watershed Stewards Class Project On Site Meeting	Churchville Rec Center	1	2	Miscellaneous
2/11/2020	Scott, Christine, Michele, Dominic, LauraC' and Kelsey Brooks (UMD)	Master Watershed Stewards	Outreach Coordination Meeting	Bel Air	2	10	Miscellaneous
2/19/2020	Christine Buckley and Michele Dobson	Planning and Zoning Staff	Lower Bynum Webpage & Feedback Form	212 S Bond St	1.5	50	Miscellaneous
2/21/2020	Christine Buckley	HCG & Partners	Outreach meeting with Susquehannock wildlife Society	Bel Air	0.5	2	Miscellaneous
2/25/2020	Scott Kearby, Christine Buckley, Laura Coste' and Kelsey Brooks (UMD)	Ariel Woodworth (MWS)	Capstone Project Ideas and Review	Churchville Rec Center	2	1	Miscellaneous
2/26/2020	Christine Buckley and Laura Coste'	Home Depot, Bell and Hopewell Nurseries	Native Plants Meeting	HD Bel Air	1	3	Miscellaneous
2/28/2020	Scott Kearby and Christine Buckley	HCG & CBT	Harford County CBT grant	212 S Bond St	0.5	3	Miscellaneous
3/6/2020	Christine Buckley and Laura Coste'	HC Parks and Recreation	Heavenly Stream Restoration Project and Outreach Meeting	Tollgate Parks & Rec Building	1	3	Miscellaneous
3/6/2020	Christine Buckley, Michele Dobson, Dominic Jenkins and Kyle Bucher	HC Parks and Recreation	C. Milton Wright Stream Restoration Review Meeting	212 S Bond St	1	3	Miscellaneous
3/17/2020	Christine, Laura, Michele, Scott, Nick	HCG & Partners	Outreach Coordination Meeting	212 S Bond St	1.5	14	Miscellaneous
3/23/2020	Chritstine Buckley	HCG & CBT	CBT Outreach and Grant Update	212 S Bond St	1	4	Miscellaneous
3/26/2020	Christine Buckley and Laura Coste'	Master Gardeners	MG Native Plant Meetings	AG Building	1.5	10	Miscellaneous
4/1/2020	Christine Buckley and Laura MruGalski	Planning and Zoning Staff	Summer Adventure- webpages	212 S Bond St	0.5	Countless	Miscellaneous
4/6/2020	Christine Buckley, Laura MruGalski, Laura Coste' and Marla Johnson	HCG & EA	Summer Adventure App	212 S Bond St	0.5	Countless	Miscellaneous
4/10/2020	Christine Buckley and Laura MruGalski	Planning and Zoning Staff	Website Updates	Virtual	1.5	Countless	Miscellaneous
4/14/2020	Scott, Christine, Michele, Dominic, Laura and Kelsey Brooks (UMD)	Master Watershed Stewards	Outreach Coordination Meeting	Virtual	2	5	Miscellaneous
4/20/2020	Christine Buckley, Marla Johnson, Laura MruGalski	HCG & EA	Outreach Webpages Meeting	Virtual	1.5	Countless	Miscellaneous
5/1/2020	Christine Buckley and Laura Coste'	Planning and Zoning Staff	WSA Project	Bel Air	6	4	Miscellaneous
5/6/2020	Christine Buckley	HCG & EA	Summer Adventure	Virtual	1.5	Countless	Miscellaneous
5/19/2020	Christine, Laura C, Michele, Scott, Nick, Laura M.	HCG & Partners	Outreach Coordination Meeting	212 S Bond St	1.5	8	Miscellaneous
5/20/2020	Christine, Laura, Michele, Scott, Nick	Planning and Zoning Staff	Coordination Watershed Protection & Environmental Planning	212 S Bond St	1.5	7	Miscellaneous
5/26/2020	Christine Buckley, Laura Coste', and Laura MruGalski	Planning and Zoning Staff	Website Updates	Virtual	2	Countless	Miscellaneous
6/9/2020	Scott Kearby and Laura Coste'	Watershed Stewards Academy Partners	Outreach Coordination Meeting	Conference Call	3	17	Miscellaneous

Harford Streams Summer Adventure 2019

Watershed Protection and Restoration continued our “Harford Streams Summer Adventure” program for 2019, to raise awareness and support for protecting Harford County’s waterways and to encourage residents to explore the natural beauty of the County’s streams. Registered participants were invited to take selfies and write a short comment about something they did, learned, or observed at designated stream locations and upload them to our online app. Participants that submitted 7 sites earned a free T-shirt and for dogs they earned a bandana. Participants that submitted eleven locations were eligible to win a Pontoon Boat Trip at the Anita C. Leight Estuary Center for fifteen people. Participants that submitted fifteen locations were eligible to win a Canoe Trip at Eden Mill Nature Center for sixteen people. County citizens of all ages were able to register for the adventure program, which concluded September 2, 2019.

Website

A web page was created at <http://bit.ly/HSSummerAdventure> for the program which included links for:

- Registrations
- Online app for uploading photos
- Interactive Map for viewing photos
- Interactive Maps for viewing locations
- Frequently Asked Questions
- Geocaching
- Comments/Questions
- Drawing prizes

App

An online app was created at

<https://harfordgis.maps.arcgis.com/apps/CrowdsourceReporter/index.html?appid=d76ca062a443420ea17b03f33df10c00> for uploading photos, entering locations using GIS and describing actions.

An online app was created at

<http://harfordgis.maps.arcgis.com/apps/opsdashboard/index.html#/a4d312e08e074bf38bf987807a1ca777> for viewing photos.

An online app was created at

<https://harfordgis.maps.arcgis.com/apps/View/index.html?appid=e416a89622b54e83b373fe0dc61c5f95> for viewing the locations and maps.

Advertising

Flyers, palm cards, or yard signs was distributed to numerous locations throughout the county or displayed on or through their social media. Locations included Harford County Libraries, Harford County Public Schools, various Harford County Government Organizations or Agencies, random stores, restaurants, various businesses, and annual events like the Bel Air Town Run, Harford County Farm Fair and The Bar-B-Q Bash.

On June 1, 2019, the program was kicked off at the Anita C. Leight Estuary Center’s Wade-In event.

On May 20, 2019, Harford County issued a Press Release laying out the details of the program.

Poker Run

Once again, a “poker run” was held on July 20, 2019 and was a huge success. Registration began at the Eden Mill Nature Center in Pylesville. Then, participants had to visit Hidden Valley Nature Area, Concord

Baptist Church Retreat and IWLA Sportsman's Chapter. The poker run concluded back at the Eden Mill Nature Center in Pylesville where participants turned in their cards and received snacks, T-shirts and other prizes. Prizes included a Yeti Roadie 20 Cooler, ALPHA CAMP 6 to 10-person family camping tent, and Daiwa D-Wave Saltwater Spinning Combo fishing rod. New this year, the low hand will receive a YETI Rambler 30-ounce tumbler with Mag Slider lid.

Kona Ice was available for purchase and discount coupons were distributed at registration. Exhibitors at Eden Mill Nature Center included Marshy Point Nature Center who presented an "animal talk" with a live owl, Maryland Environmental Services, Harford County Office of Drug Control Policy, Watershed Stewards Academy, Harford Soil Conservation District, Harford Land Trust, Susquehannock Wildlife Society, Visit Harford, and WaveCrest.

Poker Run Donations

T-shirts – Visit Harford

Yeti Cooler – MK Consulting Engineers, Whitehall Mill, 3300 Clipper Mill Road, Suite 201, Baltimore, MD

ALPHA CAMP 6 to 10-person family camping tent - Watershed Protection and Restoration

Daiwa D-Wave Saltwater Spinning Combo fishing rod - Watershed Protection and Restoration

Yeti Cup - Watershed Protection and Restoration

Venue (the Eden Mill Nature Center) – the Eden Mill Nature Center and Harford County Parks and Rec

Results

Harford Streams Summer Adventure 2019.

Number of Participants	569
Number of Selfies Submitted	655
Number of T-Shirts Earned (7 site visits or more)	235
Number of Dog Bandanas Earned (7 site visits or more)	3
Number of Participants Entered Into The Pontoon Boat Drawing (11 site visits or more)	20
Number of Participants Entered Into MD Science Center Drawing (15 site visits or more)	9
Number of Participants Who Did More Than Required (more than 15 site visits)	7

Locations

Waterway	Groups/Families Visited	Waterway	Groups/Families Visited
Anita C. Leight Estuary Center	22	Ma and Pa Trail @ Edgeley Grove Park	22
Broad Creek Boat Launch	20	Mariner Point Park	14
Concord Point Lighthouse	31	Maritime Museum	23
Conowingo Dam	37	Plumtree Park	22
Deer Creek at 136 & Harmony Church Road	20	Rockfield Park	22
Eden Mill Nature Center	40	Rocks State Park	24
Harford Glen Environmental Education Center	41	Shucks Regional Park	15
Jerusalem Mill Village	33	Stafford Mills covered	13
Little Gunpowder Falls Trail from Harford Road	23	Bridge/Deer Creek Picnic Area	
Ma and Pa Trail @ Blake's Venture Park	21	Susquehanna Museum at the Lock House	26
		Susquehanna State Park	30
		Waterway Of Your Choice	88

Feedback

Feedback throughout the program was very enthusiastic.

- We loved the sensory trail!
- We met up with some friends, walked along the promenade and got some ice cream at the Promenade Grille! We love exploring Havre de Grace.
- My sons first time at the dam! I explained to him how it worked and he loved it! His favorite part was looking at the waves.
- We loved the drive to the creek. We saw cows, horses, sheep and llamas!
- Visited the center for the wade in festival and found out about this awesome challenge!
- Ma and pa trail off of tollgate road. This was a beautiful evening walk and we went for a painted rock scavenger hike. We weren't successful, but we enjoyed the walk and the stream.
- This was an awesome adventure we did in the evening with our good friends. We saw so much alongside of the water... deer, beetles, frogs and so much more! A beautiful hike too!
- Harford County takes great care of our streams- great- Job water resource team!
- Fish were jumping and butterflies were everywhere.
- We were surprised to find a little stream in the middle of downtown Bel Air! The kids loved playing at the nearby park.
- This was a fun place for the kids to swim and play. Fishing there too.
- First time here, nice trail!
- This location was beautiful and covered in lily pads. I learned that this pond is a bioretention pond.
- First time at Anita C. Leight Estuary Center. It was great!
- Today we visited Plumtree Park in Bel Air and found the tiniest stream hiding in the weeds. This was our first visit to this cute park and we will definitely be back!
- We were at Ladew gardens. We learned about different plants and animals...on the nature hike, we learned about what was in the water.
- Enjoy walking the path from Annie's playground to the Equestrian Center and back.
- What a gorgeous weekend in #Harford County to enjoy the water! Broad Creek is our favorite spot for family fun and kayaking. Harford County Maryland #HarfordStreams2019
- Soaking up the sun ☀ at the Conowingo Dam, starting our summer adventure
- Beautiful sunny day to explore Harford Glen. The lily pad had beautiful white flowers. We saw lots of turtles 🐢, tadpoles and fish 🐟. We heard the sounds of frogs 🐸 and enjoyed the scenery.
- Visited Hidden Valley picnic area of Rock Creek Park. Did a little fishing, swimming and relaxing. Beautiful place to be on a summer's day.
- I had no idea this area even existed but it was so beautiful. I'm happy we tried a new place from our list. The weather was perfect :)
- Hidden Valley - great park!
- Had a great time with my two precious daughters. Thanks to Laura we got to see a new cool place in Harford County although living here for 15 years.
- Enjoying a cool fresh stream on a 100 degree day while enjoying nature! What better way to connect with your kids no electronics!!

On October 15, 2019, County Executive, Barry Glassman and staff offered their thanks and congratulations to this year's prize winners.

On October 16, 2019, Harford County issued a Press Release congratulating the winners from the drawings.

Feedback Form results at the conclusion of the program

Did you participate previously?

- No (13 responses, 44.8%)
- Yes (17 responses, 58.6%)

How many years have you participated?

- 1 - 16
- 2 - 3
- 3 - 6
- 4 - 2

Did you learn something new by participating?

- No (5 responses, 17.2%)
- Yes (24 responses, 82.8%)

If yes, what did you learn?

- | | |
|---|---|
| <ul style="list-style-type: none">• A lot. We moved here last October, so this really helped us explore our area.• found new parks• N/A• New hikes we didn't know about!• New stream locations...learned more about the importance of stream health• nothing• Other organizations trying to prevent pollution into our waterways• That my 3 and 6 year old love the lock house• The great variety and locale of parks in the county.• We are new in the area so this was a great way to find great hiking and walking trails.• A lot. We moved here last October, so this really helped us explore our area.• About the streams and how important they are.• All the different stream locations and new hiking spots in the county. | <ul style="list-style-type: none">• N/A• New places to visit• New walking path locations• No• Other organizations trying to prevent pollution into our waterways• Visited parks I had never been to before.• We are new in the area so this was a great way to find great hiking and walking trails.• How all the tiniest of streams in this area are leading to our bay and how we need to step up our act all together in this county to help keep them clean.• I learned that there were many more wetland areas in Harford Co. then I realized.• Nature is more beautiful each year and we have to preserve it• New places to visit• new places to visit and explore |
|---|---|

- New stream locations...learned more about the importance of stream health
- That my 3 and 6 year old love the lock house
- The great variety and locale of parks in the county.
- Visited parks I had never been to before.

The raffles encouraged me to visit more locations.

- Agree (19 responses, 65.5%)
- Disagree (5 responses, 17.2%)
- Neither Agree nor Disagree (5 responses, 17.2%)

I like the T-shirt design.

- Agree (26 responses, 89.7%)
- Disagree (0 responses, 0.0%)
- Neither Agree nor Disagree (3 responses, 10.3%)

Did you like the submission process and what would you recommend to improve it?

- I Like it, it was easy to submit.
- I think you should tell Barry Glassman to give you money to build an app.
- It was easily accessible
- It's a tricky site and not mobile friendly so that's my only complaint.
- Pics posted upside down but other than that the process was ok.
- The mobile interface is still a little clunky. Selecting the location of the photo isn't always easy
- Yes
- Yes
- Yes very easy
- Ability to post from smartphone so it can be completed while you are at the site.
- I think you should tell Barry Glassman to give you money to build an app.
- It was kind of difficult to figure out at first but I got the hand of it.
- It's a tricky site and not mobile friendly so that's my only complaint.
- More information about the navigation tool would be nice. We didn't use it because we didn't understand. I liked the process though.
- The mobile interface is still a little clunky. Selecting the location of the photo isn't always easy
- This year seemed to run a lot more smoothly than on past years
- Yes
- Yes, I did like it.
- Yes, I found it very user friendly and wouldn't change anything.
- It was difficult to submit pictures.
- It was ok, I liked being able to do it from my phone. But then I couldn't check my progress unless on the desktop...
- It was ok.
- It was pretty simple.
- make the pin pointing map easier
- More information about the navigation tool would be nice. We didn't use it because we didn't understand. I liked the process though.
- Yes once I learned how to use it
- Yes, I found it very user friendly and wouldn't change anything.
- Yes. Simple and quick.

Did you attend the Poker Run and what did you like or dislike?

- Couldn't attend due to conflict this year.
- Did not attend
- I did not attend
- I didn't do it.
- Loved the poker run!!!
- N/A
- No
- No
- We did attend. Some of the locations were not God accessible, so it made it frustrating.
- Yes, this was a great activity with the family. I loved the booth that had a little kid prize. I wish all the stops had something for the kids. Even a sticker would have been great.
- Did not attend
- I did not attend it.
- I liked it. Each location was a little shorter than expected.
- Loved the poker run!!!
- N/A
- No
- No
- No
- No
- No
- No
- No, did not attend
- Yes! This year some of the location were a little difficult to get too.

What are your thoughts on a "Winter Adventure"?

- I would like it, but am not sure we could attend as many sites because the kids are in school and heavily involved in winter sports with games on the weekends.
- It would be fun
- Love it
- No thank you.
- Something to go out during winter, discovering natural things as they change during the winter.
- Sounds like fun
- Sounds like fun
- That'd be awesome!
- There are a lot of other activities and fall/winter time is sometimes a busy time of year. If you are looking at more of Jan-Feb that might be a better time.
- We'd likely participate
- I would be interested in a winter adventure.
- I would love it!
- It would be fun! And a great incentive to keep moving during the cold months!
- It would be fun...we're thinking about hiking anyway.
- Maybe...Not a huge fan of the cold :)
- Sounds like fun
- That would be fun!
- we haven't heard of it but we would love to participate in something getting us outdoors in the winter months
- 🙌
- Brayden would love it!
- Going out during winter time and explore how things change.
- I would be interested in a winter adventure.

- I would love it!
- No thank you.
- Sounds like fun

- That would be fun!
- Would love to. It will get people out more in the cold months.

Do you have any other comments, suggestions or concerns?

- I enjoyed the addition of the dog bandana and bringing him along on the adventure.
- I think this should be advertised more. Maybe a flyer to all the local elementary schools?
- I'm glad you do one entry per family now. I think an app would be easier to navigate than a webpage.
- It was good to have all the locations and addresses listed. I keep a copy in my car.
- Just to let us post from a smartphone
- Love the dog bandannas! Thank you!
- Maybe set harford streams geocache.
- No
- Not at this time.
- Such a great idea to get families out in nature! Thank u!
- I found convenient the list of locations and addresses.
- I think this is a wonderful programs, get family out and about our beautiful county.
- Keep it going, we enjoyed it!
- Love the dog bandannas! Thank you!
- No
- No
- No.
- Nope (:
- Not at this time.
- Keep up the great work. These workshop show the next generation importance of healthy environment.
- No
- No
- No. Thank you, it was good family fun.
- Thank you to Mrs. Lynn Griffiths and getting me involved in the program.

Harford Streams Summer Adventure 2020

Goals

Things to enhance our program next year include:

- Palm Cards
 - Add "out of state or county" underneath citizens of all ages
 - Photo with a family of all ages
- Add specific instructions for uploading and viewing photos
- Make photos viewable from your phone
- Improvements to the app
 - Make photos viewable from your phone
- Include Seymour Clearwater somehow

Location Possibilities

- HCC Headwaters
- Heavenly Waters
- Lapidum Boat Launch
- Mount Royal
- Albert B. Hilton/Havre de Grace

T-Shirts

- Blue Shirt 50/50 Blend
- Picture of a Freshwater Fish Species

Summer Adventure Poker Run 2020

- Save the date – Saturday, July 18th from 9am to 12:30pm (exhibitors 11-1)
- More details to follow

Goals for Poker Run

- Give out stickers or other small prizes for kids at each location
- Yeti with Harford Streams Logo
- Additional Prize for SA Participants

Host Location for Poker Run

- Annie's Playground

Location for Poker Run

- We need 3 locations near Annie's Playground that aren't included in this year's Summer Adventure and there has to be ample parking

Exhibitors

- Spa Water – Jennifer Cravens – UMD Extension office
- Frank Lopez – DNR
- Wendy Doring – Recycling Office
- Charles Robbins - Office on Drug Control Policy
- Harford Land Trust - Kristin Kirkwood
- Susquehannock Wildlife Society - Scott McDaniel
- WSA – Kelsey Brooks
- Harford Soil Conservation District – Leslie Zink
- Visit Harford – Greg Pizzuto
- Marshy Point Nature Center - Ginny Elliott – Animal Talk with the owl
- Wavecrest- Russel Hurd
- Poster Child – Brayden Staron
- Kona Ice

New Exhibitors

- Master Gardeners – Anne Bredlow and Maureen North
- Gunpowder Riverkeeper – Theaux Gardeur



BARRY GLASSMAN

HARFORD COUNTY EXECUTIVE

FOR IMMEDIATE RELEASE

May 20, 2019

For more information, contact:

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Picture Yourself Enjoying Harford Streams Summer Adventure: Visit Harford Streams, Send in Selfies, Win Prizes

BEL AIR, Md., (May 20, 2019) – This summer, discover the natural beauty of Harford County streams, take selfies at your favorite locations and win prizes in Harford Streams Summer Adventure, a program from the Harford County Department of Public Works' Office of Watershed Protection and Restoration. Now in its fourth year, the program raises awareness and support for preserving natural resources. All county residents are welcome to join in the program, which will be open May 24 through September 2, 2019.

"Harford County is home to scenic waterways that we want folks to enjoy and protect for future generations," County Executive Barry Glassman said. "This award-winning program is outdoor fun for citizens of all ages and an opportunity to explore our county's natural wonders."

Participation is easy. Simply register and choose places to visit from the list of Harford stream locations, with the option of substituting up to five county locations of your own. Use Harford Streams' online app to send in selfies from seven different locations to earn a free Harford Streams Summer Adventure T-shirt. Visit 11 locations for a chance to win a guided pontoon boat ride for up to 15 people on Otter Point Creek at the Anita C. Leight Estuary Center; visit 15 spots for a chance at a canoe trip for up to 16 people on Deer Creek at Eden Mill Nature Center.

County residents and non-residents alike can also win a T-shirt and other prizes in a "poker run" planned for Saturday, July 20, presented in partnership with the nonprofit Visit Harford. Beginning at the Eden Mill Nature Center in Pylesville, participants will visit a total of five locations and take selfies while collecting one playing card from an attendant at each site. All participants who complete the poker run will earn a T-shirt and the players with the top poker hands will win additional prizes. Details will be published in mid-June on the county website and the Harford Streams Facebook page.


Visit the county website today to register for the program, view a complete list of Harford stream locations and start uploading selfies with a stream in the background to qualify for prizes at www.harfordcountymd.gov/HarfordStreams/SummerAdventure.

Share your adventures on social media using the hashtag #HarfordStreams2019 and follow the fun on Facebook at Harford Streams, and on Twitter @HarfordCountyMD.



Free T-shirt for sending in selfies from seven different Harford Streams Summer Adventure locations

 Like us on Facebook <https://www.facebook.com/HarfordCountyMD> | 

 Follow us on Twitter [@HarfordCountyMD](https://twitter.com/HarfordCountyMD)

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Harford Streams SUMMER ADVENTURE 2019



Barry Glassman
County Executive



**VISIT
HARFORD
STREAMS**

**TAKE
SELFIES**

**WIN
PRIZES!**

7 locations = Free T-shirt
11 locations = Drawing for a pontoon boat trip
15 locations = Drawing for a canoe trip

Register and upload your selfies with comments here:
www.harfordcountymd.gov/harfordstreams/summeradventure

Join our FREE Poker Run on Saturday, July 20 at 9 a.m.: bit.ly/SAPokerRun

For more information please call Harford County Department of Public Works at 410-638-3217 x2448



Follow us and check out your selfies!



Harford Streams



@HarfordCountyMD

Harford Streams SUMMER ADVENTURE 2019



For citizens of all ages



VISIT
HARFORD
STREAMS

TAKE
SELFIES

WIN
PRIZES!

7 LOCATIONS =

Free Summer Adventure T-shirt

11 LOCATIONS =

Drawing for a pontoon boat ride

15 LOCATIONS =

Drawing for a canoe trip

Registration begins May 24

4 Simple steps to participate

1. Register at bit.ly/HSSummerAdventure
2. Visit Harford County streams below
3. Take a selfie with a stream in the background
4. Upload your pictures by September 2, 2019

Harford Streams

Summer Adventure Locations:

Anita C. Leight Estuary Center
Broad Creek Boat Launch
Concord Point Lighthouse
Conowingo Dam
Deer Creek at 136 & Harmony Church Road
Eden Mill Nature Center
Harford Glen Environmental Education Center
Jerusalem Mill Village
Little Gunpowder Falls Trail on Harford Road
Ma and Pa Trail at Blake's Venture Park
Ma and Pa Trail at Edgeley Grove Park
Mariner Point Park
Maritime Museum
Plumtree Park
Rockfield Park
Rocks State Park
Schucks Regional Park
Stafford Mills Covered Bridge/Deer Creek Picnic Area
Susquehanna Museum at the Lock House
Susquehanna State Park

Or substitute up to 5 locations of your own!



Barry Glassman, County Executive

Follow us and check out your selfies!

 Harford Streams

 @HarfordCountyMD, add #HarfordStreams2019

Join our FREE Poker Run on Sat., July 20 at 9 a.m.

Register here: bit.ly/SAPokerRun

For more information please call Harford County
Department of Public Works at 410-638-3217 x2448



BARRY GLASSMAN

HARFORD COUNTY EXECUTIVE

FOR IMMEDIATE RELEASE

June 24, 2019

For more information, contact:

Cindy Mumby

Director of Governmental & Community Relations

410-340-5376

camumby@harfordcountymd.gov

Deal Yourself in for Harford Streams Summer Adventure “Poker Run” July 20

BEL AIR Md., (June 24, 2019) - Back by popular demand, Harford County will host a “poker run” on Saturday, July 20 as part of Harford Streams Summer Adventure 2019. This award-winning program is open to citizens of all ages and raises awareness and support for protecting local waterways. Poker run participants take selfies and collect playing cards from an attendant at designated stream locations to earn a free T-shirt and be eligible for other exciting prizes. Harford County’s poker run is presented in partnership with the nonprofit Visit Harford, the county’s destination tourism marketing organization.

Poker run participants should register between 9 - 10 a.m. at the Eden Mill Nature Center, 1617 Eden Mill Road in Pylesville, and return by 12:30 p.m. to collect their T-shirt. Those who collect the top three poker hands will win extra prizes, including a YETI Roadie 20 cooler, ALPHA CAMP 6 to 10-person family camping tent, and Daiwa D-Wave Saltwater Spinning Combo fishing rod. New this year, the low hand will receive a YETI Rambler 30-ounce tumbler with Mag Slider lid.

Kona Ice will be available for purchase and discount coupons will be distributed at registration. Exhibitors at Eden Mill Nature Center will include “animal talk” with a live owl, Myrtle the Recycling Turtle, Harford County Office of Drug Control Policy, Watershed Stewards Academy, Harford Land Trust, Visit Harford, and WaveCrest. Participants are welcome to bring a picnic lunch, enjoy the nature center, and explore hiking trails throughout the park.

The July 20 poker run is part of Harford Streams Summer Adventure, a summer-long event inviting citizens to explore local streams, take selfies at their favorite locations, and send in the photos to win prizes from the Harford County Department of Public Works' Office of Watershed Protection and Restoration. Pre-registration is required for this program, which runs this summer through Monday, September 2, 2019. Some restrictions apply. To learn more, visit bit.ly/HSSummerAdventure.

"Harford County has some of the most beautiful waterways in the state, and we are dedicated to keeping them healthy for future generations," County Executive Barry Glassman said. "Harford Streams Summer Adventure and this year's poker run are a great opportunity for families to enjoy and appreciate these natural treasures."

For more information, including a full list of poker run exhibitors and stream locations, contact Laura Coste' at lmcoste@harfordcountymd.gov or 410-638-3217 x2448. Visit the poker run Facebook event at bit.ly/SAPokerRun.



Free T-shirt for qualifying participants in Harford Streams Summer Adventure and July 20 poker run.

 Like us on Facebook <https://www.facebook.com/HarfordCountyMD> | 
 Follow us on Twitter [@HarfordCountyMD](https://twitter.com/HarfordCountyMD)

###

Summer Adventure



Thank you partners!



MK Consulting Engineers



www.mkconsultingengineers.com

UNIVERSITY OF
MARYLAND
EXTENSION

Solutions in your community



WaveCrest



Harford County Office of Drug Control Policy



Concord Baptist Church Retreat Ctr

Baptist Church • Campground





BARRY GLASSMAN

HARFORD COUNTY EXECUTIVE

FOR IMMEDIATE RELEASE

For more information, contact:

Cindy Mumby

Director of Governmental & Community Relations

410-340-5376

camumby@harfordcountymd.gov

Harford Streams Summer Adventure 2019 Prize Winners Announced

BEL AIR, Md. (Oct. 16, 2019) - Participation in the fourth annual Harford Streams Summer Adventure exceeded 500 citizens in 2019, raising awareness and support for protecting Harford County's streams and waterways. Developed three years ago by Harford County Government's Watershed Protection and Restoration Office, this award-winning program encourages citizens of all ages to take selfies at various stream locations, write a brief comment about their experiences and enter to win T-shirts and other prizes. A free app allowed participants to easily upload photos, enter locations using GIS, and submit their comments. Once again, the adventure included a cellphone game using the GPS known as "geocaching" for participants to find small trinkets and other hidden treasures.

Two hundred and thirty adventurers qualified for a free T-shirt by visiting at least seven Harford stream locations. Those who visited at least 11 locations qualified for a drawing to win a pontoon boat trip for 15 people in and around the Bush River and Otter Point Creek. The boat trip was donated by the Anita C. Leight Estuary Center. This year's winner was the Ross family of Bel Air.

A canoe trip for 16 people at Eden Mill Nature Center was the prize in a drawing for participants who visited at least 15 locations. The Bridges family of Fallston was this year's winner. The canoe trip was donated by the Eden Mill Nature Center.

A highlight of the program was the "poker run" event, held this year on July 20, beginning at the Eden Mill Nature Center in Pylesville. More than 50 participants collected playing cards at Hidden Valley Nature Area, Concord Baptist Church Retreat, and the Izaak Walton League Sportsman Chapter property. The poker run concluded back at the nature center where participants turned in their poker hands and enjoyed snacks, shaved ice from Kona Ice, and received T-shirts and other prizes. Partner organizations included Visit Harford, Myrtle the Recycling Turtle, Harford County Office of Drug Control Policy, Harford Soil Conservation District, Harford Land Trust, Susquehannock Wildlife Society and the Harford County


Watershed Stewards Academy. Marshy Point Nature Center wowed everyone with an “animal talk” with a live owl.

Prizes for the poker run were a Yeti Roadie 20 Cooler donated by MK Consulting Engineers of Baltimore, a family camping tent, and a Daiwa D-Wave Saltwater Spinning Combo fishing rod. All participants received T-shirts donated by Visit Harford. The Eden Mill Nature Center and Harford County Parks & Recreation provided the venue.



Harford County congratulating prize winners in the 2019 Harford Streams Summer Adventure. Pictured from left, back row: Laura Coste, Harford County Watershed Protection & Restoration Office; Joseph Siemek, Harford County Public Works Director; Christine Buckley, Harford County Watershed Protection & Restoration Office; front row: Harford Streams winners Emily Bridges and her son, Mason; Harford County Executive Barry Glassman; Harford Streams winners Kim Ross and her son, Ian; Scott Kearby, Harford County Public Works Deputy Director of Construction Management.

 Like us on Facebook <https://www.facebook.com/HarfordCountyMD> | 

 Follow us on Twitter [@HarfordCountyMD](https://twitter.com/HarfordCountyMD)

###

Master Gardeners

Plant With A Purpose

Watershed Protection and Restoration staff continued partnered with the Harford County Master Gardeners (MG), Master Watershed Stewards, Home Depot, and Bell Nursery to encourage the public to plant gardens with a purpose. The goal is to educate the public about the importance of planting perennials and shrubs native to Maryland, to emphasize why natives are the better plant option for the landscape, biodiversity, water quality, wildlife, and pollinators, to make native plants more accessible to our citizens, and to increase awareness about the positive effects of native plants in an effort to promote behavior change.

Informational Materials

Native Plant Sign

MS4 staff placed a native plant sign at the entrance of the garden center with a native plant tag attached so customers could easily identify the native plants. Master Gardeners would identify any new native plants weekly and create a list for the MS4 staff so they could update the sign. The sign was used to inform customers which native plants were readily available.



Native Plant Tags

MS4 staff developed native plant signs and placed them in front of native plants to further help customers easily identify the native plants. Master Gardeners would identify any new native plants and MS4 staff would update the signs weekly.

Below are some of the native plant signs distributed.



Palm Cards

MS4 staff created native plant palm cards. Master Gardeners and Master Watershed Stewards handed out the palm cards during the events and they were also attached to the native plant sign for customers to take with them.



Aprons

Master Gardeners designed green aprons with the “Plant With A Purpose” logo so customers could easily identify them at the events.

Events

Master Gardeners and Master Watershed Stewards held 3 events at Home Depot to help the public with proper plant selection and answer questions about native plants, including how to take care of the plants and which plants are better suited for certain soils and time spent in the sun. Their presence was well received and the Master Gardeners were thrilled to talk native plants to interested gardeners.



Pictures above are some of the many Master Gardener volunteers.

Events were held:

- Saturday, May 11, 2019, 11:00 am – 2:00 pm (Mother’s Day Weekend)
- Saturday, June 8, 2019, 11:00 am – 2:00 pm
- Saturday, July 13, 2019, 11:00 am – 2:00 pm

Harford County Grant Workshop

Please join us to learn about how you can receive funding to design and implement education, outreach, and restoration projects to help protect Harford County's natural resources and improve your community!

Workshop participants are encouraged to bring project ideas to workshop

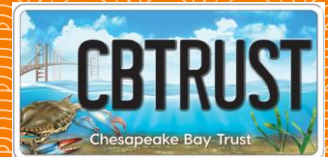


Refreshments will be provided

July 25, 2019
6:30pm – 7:30pm

McFaul Activities Center

525 W Macphail Rd, Bel Air, MD 21014



Value of the Workshop:

Chesapeake Bay Trust and Harford County staff will be present to answer questions, offer resources, and discuss project ideas.

Unable to attend?

The Trust offers informational webinars at <https://cbtrust.org/grants/outreach-and-restoration/>; however, attending the workshop is highly encouraged.

More Information:

Learn more about Trust grant programs at www.cbtrust.org.

Please RSVP by July 24 using the following link:

<https://forms.gle/CPHmB1QVGB4ZrvpH6>

Pet Waste Poll Results

Where do you live?

Urban: 3

Apartment:

Own: 10

Suburban: 10

Townhouse: 6

Rent:

Rural: 1

Single Family Home: 6

Do you use dog parks?

Yes: 1

No: 13

How often do you pick up after your dogs?

Daily: 8

Monthly: 1

Never:

Weekly: 5

Rarely: 1

Do you think it's important to pick up pet waste? Why?

Yes, don't want to step in it: 3

Yes, for environmental Reasons: 2

Yes, in public: 2

Yes: 8

No: 1

What do you think is the best way to share information?

Website: 4

Social Media: 11

Mailings: 1

We used the paper copy below if people didn't want to use the iPad.



Petco Pet Waste Poll



- **Where do you live?** Please check all that apply
 - ☐ Urban
 - ☐ Suburban
 - ☐ Rural
 - ☐ Apartment
 - ☐ House
 - ☐ Single Family
 - ☐ Own
 - ☐ Rent
- **Do you use dog parks?**
 - ☐ Yes
 - ☐ No
- **How often do you pick up after your dogs?**
 - ☐ Daily
 - ☐ Weekly
 - ☐ Monthly
 - ☐ Rarely
 - ☐ Never
- **Do you think it's important to pick up pet waste?**
 - ☐ Yes
 - ☐ No
- **What do you think is the best way to share information?**
 - ☐ Website
 - ☐ Social media
 - ☐ Mailings

Comments:

We handed the information below out while conducting the poll.

Even if only 40% of pet waste is not properly disposed of, that means that **43,000** pounds of pet waste go **into our water ways every year!**

Pet waste is responsible for **20-30%** of the pollution in our streams!

Picking up your pet waste and disposing of it in the trash can help keep our watershed healthy!

Harford Streams and your watershed thanks you for doing your part!

**STATE OF MARYLAND
DEPARTMENT OF THE ENVIRONMENT
WATER AND SCIENCE ADMINISTRATION
TENTATIVE DETERMINATION TO MODIFY A STORMWATER PERMIT
HARFORD COUNTY, MARYLAND**

The Maryland Department of the Environment (MDE) has reached a tentative determination to modify the National Pollutant Discharge Elimination System (NPDES) Municipal Separate Storm Sewer System (MS4) permit issued to Harford County to control storm drain system pollutant discharges. MDE has drafted permit modifications designed to comply with the United States Environmental Protection Agency's (EPA) regulations, control stormwater pollutant discharges from the County's storm drain system, and allow Harford County to use Maryland's newly authorized nutrient trading program as an option to meet its 20 percent impervious surface restoration requirement.

The EPA regulations (40 CFR Part 122.62) and current permit conditions (see Part VII.E.1, Permit Revocation and Modification) allow for NPDES permits to be modified for an appropriate cause. Harford County officially requested a modification of its current permit (Discharge Permit Number 11-DP-3310 MD0068268) on April 18, 2019 to allow the use of nutrient trading to meet the 20 percent impervious surface restoration requirement by the end of the current permit term (i.e., December 29, 2019). MDE has determined the use of nutrient credits by the County for meeting the 20 percent impervious surface restoration requirement is acceptable. Therefore, MDE hereby proposes to add a new paragraph that allows for nutrient trading to meet this requirement in PART IV.E.3; and to rename the original permit's PART IV.E.3 and PART IV.E.4 as PART IV.E.4 and PART IV.E.5, respectively.

For more information on stormwater management in Maryland or to view the proposed permit modifications go to: https://mde.maryland.gov/programs/Water/StormwaterManagementProgram/Pages/storm_gen_permit.aspx or contact Mr. Raymond Bahr at 410-537-3545 or 1-800-633-6101. Copies of the document may be procured at a cost of \$0.36 per page. MDE will hold a public hearing concerning the tentative determination to modify Harford County's MS4 permit on August 22, 2019 at 6 PM in Harford County Council Chambers, 212 South Bond Street, Bel Air, MD 21014. Comments on this tentative determination to modify Harford County's MS4 permit will be accepted by Raymond Bahr, Maryland Department of the Environment, Water and Science Administration, 1800 Washington Boulevard, Baltimore, Maryland, 21230, or raymond.bahr@maryland.gov, if received by October 3, 2019. The 60-day extension of the comment period allowed for by section 1-606 (d) (1) (ii) of the Maryland Environmental Article is being invoked to extend the usual 30-day comment period to 90 days.



Order ID: 6356830

Printed: 6/28/2019 10:14:02 AM

Page 3 of 3

* Agency Commission not included

GROSS PRICE * : **\$170.04**

PACKAGE NAME: CNG Aegis Single

**STATE OF MARYLAND
DEPARTMENT OF THE ENVIRONMENT
WATER AND SCIENCE ADMINISTRATION
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Aegis 6356830 07/05, 07/12/2019



Order ID: 6356830

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Page 2 of 3

* Agency Commission not included

GROSS PRICE * : **\$170.04**

PACKAGE NAME: CNG Aegis Single

Product(s): Aegis, classified.CNG.com, classified.MDDC.com_CNG

AdSize(s): 2 Column (8TAB)

Run Date(s): Friday, July 05, 2019, Friday, July 12, 2019

Color Spec. B/W

Preview



Order ID: 6356830

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Page 1 of 3

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GROSS PRICE * : **\$170.04**

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**STATE OF MARYLAND
DEPARTMENT OF THE ENVIRONMENT
WATER AND SCIENCE ADMINISTRATION
FINAL DETERMINATION TO MODIFY A STORMWATER PERMIT
HARFORD COUNTY, MARYLAND**

The Maryland Department of the Environment (MDE) has reached a final determination to modify the National Pollutant Discharge Elimination System (NPDES) Municipal Separate Storm Sewer System (MS4) permit issued to Harford County to control stormwater pollutant discharges. MDE has drafted permit modifications designed to comply with the United States Environmental Protection Agency's (EPA) regulations, control stormwater pollutant discharges, and allow Harford County to use Maryland's newly authorized nutrient trading program as an option to meet its 20 percent impervious surface restoration requirement.

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MDE's final determination is subject to judicial review at the request of any person that meets the threshold standing requirements under federal law and participated in the public participation process through the submission of written or oral comments. The final determination may be found on MDE's website at:

mde.maryland.gov/programs/Water/StormwaterManagementProgram/Pages/storm_gen_permit.aspx

The final determination is also available by contacting Mr. Raymond Bahr at 410-537-3545 or 1-800-633-6101. Requests for judicial review in accordance with §1-601 and §1-605 of the Environment Article need to be made on or before December 9, 2019.



Order ID: 6495292

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Page 1 of 3

* Agency Commission not included

GROSS PRICE * : \$152.34

PACKAGE NAME: CNG Aegis Single



Order ID: 6495292

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Page 2 of 3

* Agency Commission not included

GROSS PRICE * : \$152.34

PACKAGE NAME: CNG Aegis Single

Product(s): Aegis, classified.CNG.com, classified.MDDC.com_CNG

AdSize(s): 2 Column (8TAB)

Run Date(s): Friday, November 08, 2019, Friday, November 15, 2019

Color Spec. B/W

Preview

**STATE OF MARYLAND
DEPARTMENT OF THE ENVIRONMENT
WATER AND SCIENCE ADMINISTRATION
FINAL DETERMINATION TO MODIFY A STORMWATER
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HARFORD COUNTY, MARYLAND**

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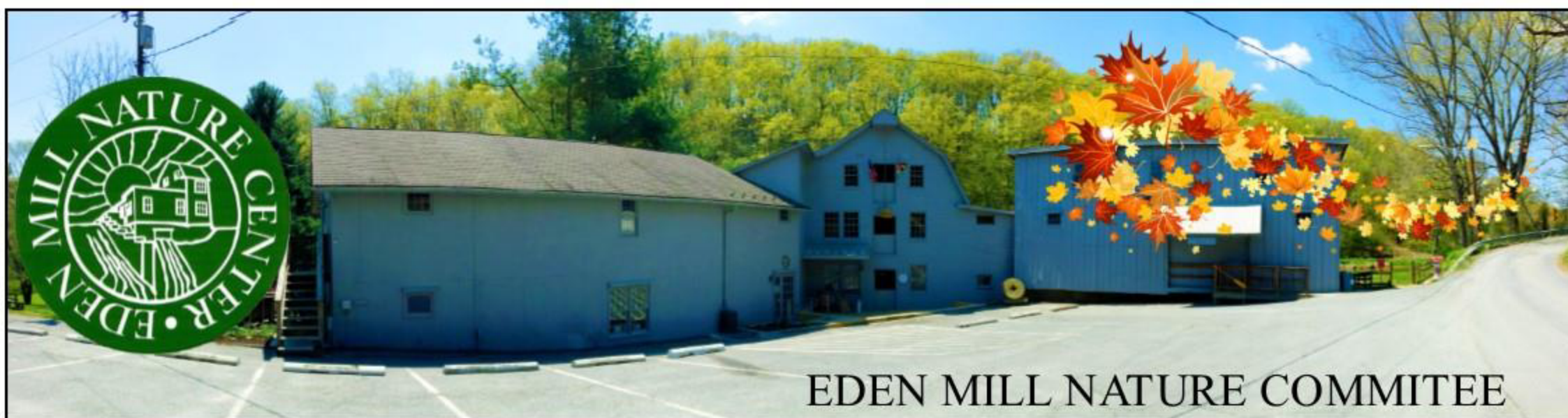
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11-8 & 11-15-2019 6495292



Fall Fest at Eden Mill



Date: Saturday, November 2

Time: 11:30a.m. – 3:00p.m.

Fall is a fantastic time to visit Eden Mill Park.

Fall Fest is fun for the whole family! Free admission along with lots of free activities. Visit the nature center, historic grist mill museum, and educational garden area, all while playing the Passport Scavenger Hunt. This fun day is for all ages and will include: educational displays by local organizations and Eden Mill's Master Gardeners; face painting; a gourd hunt; corn grinding; live animals; games and prizes. Bring some cash for our food concession, honey straw sale, and pumpkin chunkin' activity!

We will be collecting non-perishable food items and personal care items at the welcome table for the Mason Dixon food pantry.

The event will be cancelled if there is inclement weather. Check our website for updates that morning if there is bad weather!

Overflow parking graciously provided by Winterfarm, 4336 St. Clair Bridge Road

EDEN MILL NATURE COMMITTEE, a 501(c)3 non-profit organization

1617 Eden Mill Road Pylesville, MD 21132

410-836-3050

www.edenmill.org

Barry Glassman, Harford County Executive



[Anita C. Leight 23rd Annual Wade-In Festival \(Virtual\)](#)



In June 2020, MS4 staff virtually participated in the [Upper Western Shore Wade-In](#) organized by the staff at the Anita C. Leight Estuary Center and volunteers of the Otter Point Creek Alliance. MS4 staff created a [short video](#) highlighting the mission and goals of the Watershed Protection and Restoration Office and the importance of healthy streams and watersheds. The video was shared on social media the day of the event.



Harford Streams - Green Choices. Healthy Streams.

@HarfordStreams · Government Organization

[Contact Us](#)

harfordcountymd.gov

Daily data is recorded in the Pacific time zone.

1W 1M 1Q



Start: 7/1/2019

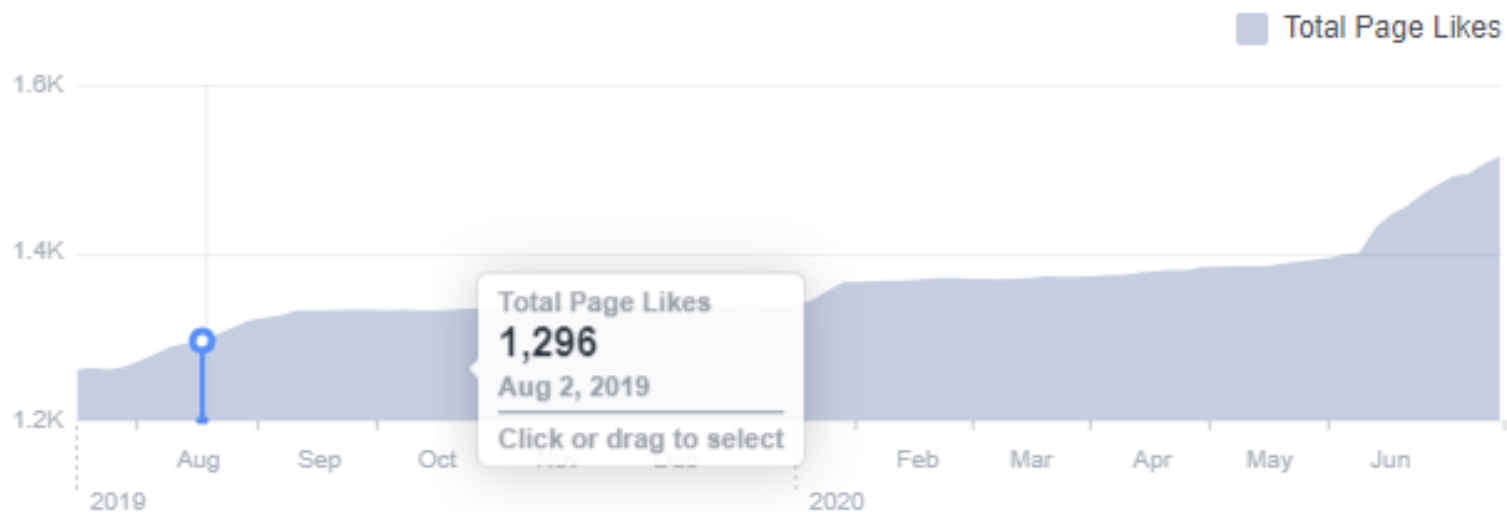


End: 6/30/2020



Total Page Likes: 1,515

Create Post



BENCHMARK

Compare your average performance over time.

Total Page Likes

Date	Total Reach	Organic	Paid
1-Jul	820	820	0
2-Jul	269	269	0
3-Jul	381	381	0
4-Jul	443	443	0
5-Jul	148	148	0
6-Jul	48	48	0
7-Jul	287	46	242
8-Jul	285	51	234
9-Jul	429	235	219
10-Jul	1,271	1,061	233
11-Jul	643	429	268
12-Jul	1,468	1,282	228
13-Jul	581	338	243
14-Jul	669	431	246
15-Jul	671	470	201
16-Jul	263	92	172
17-Jul	386	179	213
18-Jul	738	548	210
19-Jul	627	592	35
20-Jul	1,264	1,264	0
21-Jul	355	355	0
22-Jul	563	563	0
23-Jul	3,510	3,510	0
24-Jul	1,121	1,121	0
25-Jul	889	889	0
26-Jul	846	846	0
27-Jul	285	285	0
28-Jul	679	679	0
29-Jul	507	507	0
30-Jul	409	409	0
31-Jul	881	881	0
1-Aug	498	498	0
2-Aug	492	492	0
3-Aug	1,318	1,318	0
4-Aug	1,837	1,837	0
5-Aug	2,450	2,450	0
6-Aug	671	671	0
7-Aug	357	357	0
8-Aug	878	878	0
9-Aug	996	996	0
10-Aug	649	649	0
11-Aug	371	371	0
12-Aug	406	406	0
13-Aug	923	923	0
14-Aug	593	593	0
15-Aug	1,394	1,394	0
16-Aug	599	599	0
17-Aug	615	615	0
18-Aug	720	720	0
19-Aug	138	138	0
20-Aug	1,485	1,485	0
21-Aug	479	479	0
22-Aug	466	466	0
23-Aug	551	551	0
24-Aug	194	194	0
25-Aug	101	101	0
26-Aug	563	563	0
27-Aug	371	371	0
28-Aug	435	435	0
29-Aug	1,247	1,247	0
30-Aug	291	291	0
31-Aug	191	191	0
1-Sep	173	173	0
2-Sep	298	298	0
3-Sep	731	731	0
4-Sep	662	662	0
5-Sep	568	568	0
6-Sep	323	323	0
7-Sep	115	115	0
8-Sep	76	76	0
9-Sep	30	30	0
10-Sep	291	291	0
11-Sep	64	64	0
12-Sep	66	66	0
13-Sep	52	52	0
14-Sep	25	25	0
15-Sep	14	14	0
16-Sep	9	9	0
17-Sep	17	17	0
18-Sep	246	246	0
19-Sep	64	64	0
20-Sep	302	302	0
21-Sep	54	54	0
22-Sep	18	18	0
23-Sep	314	314	0
24-Sep	72	72	0
25-Sep	229	229	0
26-Sep	38	38	0
27-Sep	103	103	0
28-Sep	44	44	0
29-Sep	23	23	0
30-Sep	208	208	0
To	49244		

Date	Total Reach	Organic	Paid
1-Oct	171	171	0
2-Oct	41	41	0
3-Oct	35	35	0
4-Oct	196	196	0
5-Oct	37	37	0
6-Oct	25	25	0
7-Oct	15	15	0
8-Oct	14	14	0
9-Oct	10	10	0
10-Oct	9	9	0
11-Oct	101	101	0
12-Oct	30	30	0
13-Oct	22	22	0
14-Oct	168	168	0
15-Oct	26	26	0
16-Oct	13	13	0
17-Oct	286	286	0
18-Oct	37	37	0
19-Oct	17	17	0
20-Oct	21	21	0
21-Oct	11	11	0
22-Oct	290	290	0
23-Oct	72	72	0
24-Oct	161	161	0
25-Oct	139	139	0
26-Oct	35	35	0
27-Oct	14	14	0
28-Oct	229	229	0
29-Oct	43	43	0
30-Oct	100	100	0
31-Oct	108	108	0
1-Nov	252	252	0
2-Nov	58	58	0
3-Nov	30	30	0
4-Nov	148	148	0
5-Nov	69	69	0
6-Nov	14	14	0
7-Nov	123	123	0
8-Nov	32	32	0
9-Nov	24	24	0
10-Nov	14	14	0
11-Nov	8	8	0
12-Nov	255	255	0
13-Nov	49	49	0
14-Nov	901	901	0
15-Nov	521	521	0
16-Nov	179	179	0
17-Nov	149	149	0
18-Nov	104	104	0
19-Nov	15	15	0
20-Nov	27	27	0
21-Nov	155	155	0
22-Nov	164	164	0
23-Nov	39	39	0
24-Nov	25	25	0
25-Nov	253	253	0
26-Nov	56	56	0
27-Nov	234	234	0
28-Nov	38	38	0
29-Nov	21	21	0
30-Nov	12	12	0
1-Dec	3	3	0
2-Dec	5	5	0
3-Dec	162	162	0
4-Dec	16	16	0
5-Dec	112	112	0
6-Dec	19	19	0
7-Dec	17	17	0
8-Dec	13	13	0
9-Dec	337	337	0
10-Dec	1,008	1,008	0
11-Dec	106	106	0
12-Dec	236	236	0
13-Dec	195	195	0
14-Dec	39	39	0
15-Dec	24	24	0
16-Dec	91	91	0
17-Dec	15	15	0
18-Dec	22	22	0
19-Dec	228	228	0
20-Dec	160	160	0
21-Dec	41	41	0
22-Dec	31	31	0
23-Dec	18	18	0
24-Dec	2	2	0
25-Dec	1	1	0
26-Dec	3	3	0
27-Dec	5	5	0
28-Dec	6	6	0
29-Dec	7	7	0
30-Dec	6	6	0
31-Dec	4	4	0
	9377		

Date	Total Reach	Organic	Paid
1-Jan	3	3	0
2-Jan	250	250	0
3-Jan	1,016	1,016	0
4-Jan	264	264	0
5-Jan	68	68	0
6-Jan	6,204	6,204	0
7-Jan	2,663	2,663	0
8-Jan	687	687	0
9-Jan	169	169	0
10-Jan	1,253	1,253	0
11-Jan	276	276	0
12-Jan	108	108	0
13-Jan	393	393	0
14-Jan	130	130	0
15-Jan	328	328	0
16-Jan	76	76	0
17-Jan	279	279	0
18-Jan	103	103	0
19-Jan	32	32	0
20-Jan	21	21	0
21-Jan	317	317	0
22-Jan	49	49	0
23-Jan	596	596	0
24-Jan	406	406	0
25-Jan	100	100	0
26-Jan	78	78	0
27-Jan	251	251	0
28-Jan	300	300	0
29-Jan	44	44	0
30-Jan	29	29	0
31-Jan	205	205	0
1-Feb	98	98	0
2-Feb	71	71	0
3-Feb	314	314	0
4-Feb	21	21	0
5-Feb	215	215	0
6-Feb	149	149	0
7-Feb	292	292	0
8-Feb	106	106	0
9-Feb	58	58	0
10-Feb	59	59	0
11-Feb	73	73	0
12-Feb	258	258	0
13-Feb	229	229	0
14-Feb	236	236	0
15-Feb	95	95	0
16-Feb	64	64	0
17-Feb	24	24	0
18-Feb	232	232	0
19-Feb	32	32	0
20-Feb	17	17	0
21-Feb	256	256	0
22-Feb	310	310	0
23-Feb	97	97	0
24-Feb	38	38	0
25-Feb	220	220	0
26-Feb	127	127	0
27-Feb	21	21	0
28-Feb	623	623	0
29-Feb	124	124	0
1-Mar	40	40	0
2-Mar	46	46	0
3-Mar	19	19	0
4-Mar	44	44	0
5-Mar	214	214	0
6-Mar	194	194	0
7-Mar	193	193	0
8-Mar	59	59	0
9-Mar	295	295	0
10-Mar	161	161	0
11-Mar	32	32	0
12-Mar	146	146	0
13-Mar	407	407	0
14-Mar	103	103	0
15-Mar	37	37	0
16-Mar	31	31	0
17-Mar	95	95	0
18-Mar	13	13	0
19-Mar	20	20	0
20-Mar	5	5	0
21-Mar	7	7	0
22-Mar	10	10	0
23-Mar	6	6	0
24-Mar	5	5	0
25-Mar	97	97	0
26-Mar	13	13	0
27-Mar	11	11	0
28-Mar	92	92	0
29-Mar	414	414	0
30-Mar	132	132	0
31-Mar	252	252	0
	24350		

Date	Total Reach	Organic	Paid
1-Apr	53	53	0
2-Apr	160	160	0
3-Apr	44	44	0
4-Apr	17	17	0
5-Apr	18	18	0
6-Apr	11	11	0
7-Apr	9	9	0
8-Apr	219	219	0
9-Apr	124	124	0
10-Apr	26	26	0
11-Apr	218	218	0
12-Apr	599	599	0
13-Apr	147	147	0
14-Apr	64	64	0
15-Apr	25	25	0
16-Apr	161	161	0
17-Apr	32	32	0
18-Apr	28	28	0
19-Apr	21	21	0
20-Apr	296	296	0
21-Apr	1,593	1,593	0
22-Apr	301	301	0
23-Apr	210	210	0
24-Apr	91	91	0
25-Apr	40	40	0
26-Apr	32	32	0
27-Apr	26	26	0
28-Apr	101	101	0
29-Apr	171	171	0
30-Apr	115	115	0
1-May	38	38	0
2-May	33	33	0
3-May	21	21	0
4-May	145	145	0
5-May	182	182	0
6-May	119	119	0
7-May	277	277	0
8-May	176	176	0
9-May	44	44	0
10-May	490	490	0
11-May	150	150	0
12-May	38	38	0
13-May	476	476	0
14-May	291	291	0
15-May	32	32	0
16-May	16	16	0
17-May	228	228	0
18-May	64	64	0
19-May	2,046	2,046	0
20-May	361	361	0
21-May	380	380	0
22-May	546	546	0
23-May	194	194	0
24-May	806	806	0
25-May	3,045	3,045	0
26-May	624	624	0
27-May	479	479	0
28-May	1,753	1,753	0
29-May	1,031	1,031	0
30-May	1,046	1,046	0
31-May	921	921	0
1-Jun	316	316	0
2-Jun	179	179	0
3-Jun	409	409	0
4-Jun	2,088	2,088	0
5-Jun	1,312	1,312	0
6-Jun	381	381	0
7-Jun	2,580	2,580	0
8-Jun	1,591	1,591	0
9-Jun	826	826	0
10-Jun	485	485	0
11-Jun	2,344	2,344	0
12-Jun	1,232	1,232	0
13-Jun	400	400	0
14-Jun	947	947	0
15-Jun	521	521	0
16-Jun	1,424	1,424	0
17-Jun	861	861	0
18-Jun	402	402	0
19-Jun	434	434	0
20-Jun	579	579	0
21-Jun	1,028	1,028	0
22-Jun	664	664	0
23-Jun	1,744	1,744	0
24-Jun	556	556	0
25-Jun	248	248	0
26-Jun	203	203	0
27-Jun	305	305	0
28-Jun	1,400	1,400	0
29-Jun	275	275	0
	46738		

Post Message	Type	Posted	Lifetime Post Total Impressions	Lifetime Post Organic Impressions	Lifetime Post Impressions people liked your Page
			Total times your Page's post entered a person's screen	Total times your Page's posts entered a person's screen through unpaid distribution.	Total impressions of your Page post to people who have liked your Page.
July calls for warm weather and summer adventure fun! Take advantage of these beautiful summer days and get some exploration in! We love seeing all of your summer selifies! If you haven't yet, register at bit.ly/HSSummerAdventure because summer adventure awaits! #harfordstreams Harford County Government	Video	7/1/19 6:54	880	880	347
The Connor's family has submitted 11 photos and has been entered in a chance to win a pontoon boot ride! How awesome is that? All you have to do in order to enter the raffle is go have fun and take selfies, it's really that easy! Take a look at all the awesome summer adventure spots that await you! Also, bring your furry friend to each location to recieve a summer adventure doggo bandana!	Video	7/1/19 7:16	11	11	11
	Photo	7/2/19 6:00	251	251	237
	Photo	7/3/19 7:18	333	333	318
The Connor's family has submitted 11 photos and has been entered in a chance to win a pontoon boot ride! How awesome is that? All you have to do in order to enter the raffle is go have fun and take selfies, it's really that easy! Take a look at all the awesome summer adventure spots that await you! Also, bring your furry friend to each location to recieve a summer adventure doggo bandana!	Video	7/3/19 7:21	86	86	83
The Connor's family has submitted 11 photos and has been entered in a chance to win a pontoon boot ride! How awesome is that? All you have to do in order to enter the raffle is go have fun and take selfies, it's really that easy! Take a look at all the awesome summer adventure spots that await you! Also, bring your furry friend to each location to recieve a summer adventure doggo bandana!	Video	7/3/19 10:18	529	529	314
Happy Fourth of July from Harford Streams to you! While you let those hamburgers and hotdogs digest, see what our friends have to say about their summer adventure fun! Spend the day enjoying and exploring a summer adventure location! We can't think of a better way to spend the Fourth! Be safe and enjoy this beautiful day! #harfordstreams Harford County Government	Video	7/4/19 5:00	348	348	329
Plant With a Purpose Pink Truffles or Baptisia hybrid is a native perennial plant that blooms in late spring. The name says it all, beautiful soft pink flowers are a sight to see! Also, its compact habit makes it easy to fit into any garden. Baptisia is easy to grow and will thrive with little maintenance; all the more reason to plant this beauty! #harfordstreams Harford County Government Harford County Master Gardeners - University of Maryland Extension	Photo	7/4/19 7:41	581	581	469
We hope that everyone is enjoying this wonderful summer we are having! If you want to add more fun to your summer adventure, try geocaching! Harford Streams has hid some awesome geocaches around Harford County; see if you can find them! You'll know it's a Harford Streams geocache because you will see our friend Seymour Clearwater inside! We can't wait to see where your next adventure takes you! Hint: Our Harford Streams geocaches can be found at Edgeley Grove Park, Deer Creek Picnic Area, and Blake's Venture Park! #harfordstreams Harford County Government	Video	7/9/19 10:06	1842	1842	426
Where is Brayden today? He is at Anita C. Leight! If you have been keeping up with our posts, you know that Brayden has been exploring and enjoying all of the awesome places Harford County has to offer. Stay tuned to see where Brayden goes next, and if you like what you see, go and visit for yourself and send us your pictures! #harfordstreams Harford County Government	Photo	7/10/19 8:41	643	643	374
Plant With a Purpose Bee Balm or Monarda diduyma is a stunning and vibrant native plant. Bee balm is very attractive to bees, butterflies and hummingbirds. The bee balm flower has an open, daisy-like shape, with petals in shades of red, pink, purple and white! Bee balm plants are perennial, coming back year after year to add beautiful color to your garden! #harfordstreams Harford County Government Harford County Master Gardeners - University of Maryland Extension	Photo	7/11/19 7:42	653	653	513
Kudos to Holy Communion Lutheran Church in Fallston for their recent rain barrel workshop - over 40 people took rain barrels home with them. Rain barrels help control stormwater runoff, they help to slow it down, spread it out, sink it in! #HarfordCountyOneWaterPartnership Read more here https://www.interfaithchesapeake.org/harford_rain_barrel_day	Link	7/12/19 6:12	325	325	303
Where is Brayden today? He is at Otter Point having some fun in the sun! This beautiful weekend calls for some summer adventure fun, why not head down to Otter Point? This is not one of our Summer Adventure locations, but it is always fun to explore new places, who knows, maybe this is your next favorite place! #harfordstreams Harford County Government	Photo	7/12/19 7:56	766	766	442
The Chesapeake Bay Trust is excited to announce a grant opportunity available in partnership with Harford Streams - Green Choices. Healthy Streams. to fund projects that both improve communities and local natural resources. Join Trust Staff and Harford County Watershed Protection and Restoration representatives July 25, 2019 to learn more about the program, how to apply, and discuss project ideas. RSVP by July 24 to: http://bit.ly/2XVWuN3 To learn more about the Trust's Outreach and Restoration Program: http://bit.ly/2LjoKnd	Photo	7/12/19 9:02	288	288	268
	Photo	7/17/19 13:36	265	265	252
Plant With a Purpose Continue helping our pollinator friends by learning more about pollinators and native plants in your area! Check out Pollinator Planting Guides at pollinator.org/guides and enter your zip code. If you have a smartphone, there's an app! The Bee Smart Pollinator Gardner app, check it out! Our pollinator friends thank you! #harfordstreams Harford County Government Harford County Master Gardeners - University of Maryland Extension	Link	7/18/19 7:43	326	326	308
Where is Brayden today? He is exploring Blake's venture Park! If you are looking for something fun to do, take some time to go on a beautiful and colorful nature walk! Take some pictures and send them to us; we love seeing all of your awesome summer adventures! #harfordstreams Harford County Government	Photo	7/18/19 10:22	863	863	415
The Harford Land Trust has a job opening for a Communications and Development Manager. If you are interested or know someone who is interested in this position, please share and take a look at the attached job description. Harford Land Trust Harford County Government	Photo	7/18/19 12:40	277	277	263
FREE Event! Join Harford Streams and our friend Myrtle the Turtle at the 2019 Poker Run this Saturday! Everyone of all ages is invited to have some fun and get a chance to win some awesome prizes! There is no better way to spend your Saturday morning. If you are interested, check out http://bit.ly/SAPokerRun . There is no pre-registration necessary but it will save you time at the event! We hope to see you there! #harfordstreams Harford County Government	Photo	7/19/19 5:00	1031	1031	402
Where is Brayden today? Brayden is out and about at Eden Mill! We know how hot this summer has been, why not cool yourself off while taking a stream selfie? Come on in, the water is fine! #harfordstreams Harford County Government	Photo	7/20/19 5:36	2197	2197	452
Take a look at this amazing transformation at Homestead Elementary School. A big thank you to all of the students, teachers, and volunteers that made this beautiful rain garden possible! (Stay tuned till the end of the video to see the spectacular before and after pictures!) #harfordstreams Harford County Government Homestead/Wakefield Elementary Homestead Wakefield PTA Harford County Public Schools	Video	7/22/19 5:44	6072	6072	692
There are so many summer adventurers out and about exploring the beauty of Harford County. We love seeing our friends enjoying this summer with awesome and fun adventures! Let your next adventure be even more fun than your last! Don't miss out on the fun, if you haven't signed up for your summer adventure yet, register at bit.ly/HSSummerAdventure #harfordstreams Harford County Government	Video	7/23/19 5:26	1615	1615	386
Stop by the Recycling Outreach Tent and see Master Watershed Stewards Allison Jeanette and Bryon Bodt, and Teri Myers with all of your questions about the upcoming Watershed Stewards Academy in September bit.ly/WatershedStewards . Hours are posted in the comments below. #HarfordStreams Harford County Government Harford County Office of Recycling Harford Soil Conservation District	Link	7/23/19 5:26	306	306	273
Thank you to all of our staff, partners and summer adventure friends for tackling the heat on Saturday to participate in our third annual poker run. You all are the best! #HarfordStreams Harford County Government Visit Harford Eden Mill IWLA Sportsman's Chapter Concord Baptist Church Retreat Ctr Harford County Office of Recycling @Harford County Office of Drug Control Policy Harford Soil Conservation District Harford Land Trust Susquehannock Wildlife Society Marshy Point Nature Center WaveCrest Mary Pat Walpole Staron- Notary Allison Jeanette Bryon Bodt Stephanie Nove	Video	7/24/19 6:08	1928	1928	471
Plant With a Purpose Want to attract your favorite pollinators to your garden? Include these colors in your garden to invite helpful friends to your yard! Birds: plant orange, red and white plants Bees: plant bright white, yellow, and blue Butterflies: plant bright colors including red and purple #harfordstreams Harford County Government Harford County Master Gardeners - University of Maryland Extension	Photo	7/25/19 7:36	431	431	313
Tonight, Join Trust Staff and Harford County Watershed Protection and Restoration representatives to learn more about the program, how to apply, and discuss project ideas. #HarfordStreams Harford County Government	Photo	7/25/19 10:23	326	326	305
Farm Fair 2019! Come out and see the Master Watershed Stewards to answer all your questions from 10-2 and 4-10 Friday and Saturday. The next academy starts in September and applications are due Sunday, July 28th. For more information go to bit.ly/WatershedStewards . #HarfordStreams Harford County Government Harford County Office of Recycling Allison Jeanette Bryon Bodt Teri Myers	Video	7/26/19 9:13	517	517	268
There are so many Summer Adventure friends soaking up the sun at our awesome Summer Adventure locations! Thank you to all of our friends for participating, we love seeing all of your pictures! See who has made it to 7 locations and earned a summer adventure T-shirt! The fun is not over yet! Keep up you adventure and get a wonderful Summer Adventure T-shirt, a chance to win a pontoon boat ride, and a chance to win a canoe trip! #harfordstreams Harford County Government	Video	7/29/19 9:19	687	687	453
Summer Adventuring is the perfect way to have fun this summer, but don't take our word for it, see what our Summer Adventure friends have to say about their adventure and let them convince you! We can't wait to see where your next summer adventure takes you! If you haven't started your Summer Adventure yet, it is not too late! register at bit.ly/HSSummerAdventure #harfordstreams Harford County Government	Video	7/30/19 5:39	1844	1844	379
Celandine poppy (Stylophorum diphyllum) is another extraordinary native plant! The main attraction for gardeners is the beautiful yellow and orange flowers. However, the flowers are not the only attractive part of this plant; the leaves of this poppy are also quite decorative! This flowering plant starts blooming at the end of winter and continues throughout the summer season to keep your garden vibrant and beautiful for months to come! #harfordstreams Harford County Government Harford County Master Gardeners - University of	Photo	8/1/19 5:00	512	512	415
Who says that your summer adventure has to stop at 15 locations? See our summer adventure friends who have continued their adventure off the map! Summer adventuring is so fun that 15 locations just isn't enough! #harfordstreams Harford County Government	Video	8/2/19 5:31	561	561	384
Do you want to be more involved in your community and the environment? Then today is your lucky day! We have extended our Watershed Stewards Academy application date until August 16, 2019. WSA begins on September 10, 2019, and the next class won't be offered again until 2021, so don't miss out! The course schedule, applications and forms are located at www.bit.ly/WatershedStewards . We look forward to hearing from you! #harfordstreams Harford County Government	Video	8/2/19 13:19	573	573	401
Master Watershed Stewards in action! The next Watershed Stewards Academy begins September 10, 2019. Would you like to learn how to help your watershed and how to encourage and educate others? Sign up today at bit.ly/WatershedStewards . Applications due by August 16th. Teachers, 5 MSDE Credits available! #HarfordStreams Harford County Government Harford County Public Schools @Harford County Farm Fair Harford Community College Ladew Topiary Gardens Anita C. Leight Estuary Center posted by OPCA Susquehannock Wildlife Society First FridaysHavre de Grace, Maryland Eden Mill	Video	8/3/19 14:21	4350	4350	629
Summer adventuring does not have to stop at 15 locations! Keep your adventure alive by visiting new and fun places! If you need some help figuring out your next exploration destination, take a look at our summer adventure friends who have found some awesome spots! Let us know where your next off the map summer adventure takes you! #harfordstreams Harford County Government	Video	8/4/19 8:10	2026	2026	383
Master Watershed Stewards in action! The next Watershed Stewards Academy begins September 10, 2019. Would you like to learn how to help your watershed and how to encourage and educate others? Sign up today at bit.ly/WatershedStewards . Applications are being extended until August 16th (disregard the dates on the webpage and forms). TEACHERS, 5 MSDE Credits available! #HarfordStreams Harford County Government Harford County Public Schools Harford County Farm Fair Harford Community College Ladew Topiary Gardens Anita C. Leight Estuary Center posted by OPCA Susquehannock Wildlife Society Havre de Grace, Maryland First Friday Havre de Grace Md Eden Mill	Video	8/4/19 11:03	3581	3581	473

Where is Brayden today? Brayden is at Susquehanna State Park enjoying the Sunflower field and cooling off in the river! Have you been to Susquehanna State Park yet? If you haven't, you are missing out! Will your next adventure take you to Susquehanna State Park or somewhere else? Wherever you go, send us your awesome Summer Adventure pictures! #harfordstreams Harford County Government	Photo	8/5/19 5:00	683	683	482
Plant With a Purpose Garden Phlox (Phlox paniculata) is one of our favorite native plants yet! This extraordinary plant comes in all different colors such as beautiful pink, bright purple, soft white, and even a "candy twist" white and purple combination! The best part, Garden Phlox will bring even more beautiful hummingbirds to your garden! #harfordstreams Harford County Government Harford County Master Gardeners - University of Maryland Extension	Photo	8/8/19 5:34	1524	1524	656
You may know Harford Streams for a number of reasons from our Summer Adventures to our Plant with a Purpose, but do you know about all of the amazing restorations we take part in? Take a look at the incredible before and after pictures of our Bear Cabin restoration. Come and follow us on our journey and see the final outcome of this beautiful area. #Harfordstreams Harford County Government	Video	8/9/19 5:00	1969	1969	546
You may know Harford Streams for a number of reasons from our Summer Adventures to our Plant with a Purpose, but do you know about all of the amazing restorations we take part in? Take a look at the incredible before and after pictures of our Bear Cabin restoration. Come and follow us on our journey and see the final outcome of this beautiful area. #Harfordstreams Harford County Government	Video	8/9/19 13:45	572	572	441
You know who loves summer adventures? Your furry friends! Bring your pups along to your next summer adventure and earn a doggy bandana! We look foward to seeing all of your beautiful pups! #harfordstreams Harford County Government	Video	8/10/19 5:00	522	522	358
	Photo	8/12/19 6:59	319	319	309
The last day to submit Summer Adventure pictures is September 2nd, make sure you don't miss out on awesome adventures! If you are having trouble deciding where your next adventure should take you, we are going to be sharing pictures from all of our Summer Adventure locations to help you decide where to explore next! The adventure is not over yet, we can't wait to see where you go next! #harfordstreams Harford County Government	Video	8/13/19 5:54	1755	1755	338
Broad Creek Boat Launch Summer Adventure 2019	Video	8/13/19 8:49	19	19	19
	SharedVideo	8/13/19 10:17	303	303	286
Next up on our Summer Adventure list is Blake's Venture Park! The beautiful scenery will make sure that you come again and again! See the beauty that Blake's Venture has to offer for yourself! #harfordstreams Harford County Government	Video	8/14/19 5:00	3305	3305	553
Plant With a Purpose Sometimes raising a flourishing garden is challenging, we can't all have a green thumb! That is why native plants are the way to go! Tickseed (Coreopsis grandiflora) is a beautiful native plant that is easy to grow! Tickseed thrives in poor, sandy or rocky soils with good drainage. As well as is tolerant of heat and humidity, great for this hot summer we are having! Easy to maintain and beautiful? It can't get better than that! If you ever go out and get these beauties for yourself, send us some pictures, we would love to see them! #harfordstreams Harford County Government Harford County Master Gardeners - University of Maryland Extension	Photo	8/15/19 5:16	704	704	564
It is hard to pick our favorite spot with all of the awesome Summer Adventure locations Harford County has to offer! Broad Creek Boat Launch is up there on the list! See for yourself! #harfordstreams Harford County Government	Video	8/18/19 5:00	2239	2239	501
Do your "doody" and scoop the poop! Did you know that pet waste is responsible for 20-30% of the pollution in our streams? Please help Harford Streams kick off our Pet waste campaign by taking 30 seconds to fill out our Pet Waste Poll. Please follow the link to reach the survey: https://bit.ly/2yTg4M1 Harford Streams and your watershed thanks you for doing your "doody!" #harfordstreams Harford County Government	Status	8/20/19 5:00	1026	1026	547
It doesn't matter if you go solo, in pairs, or with the whole family, the Concord Point Lighthouse is the place to be! Let your next Summer Adventure take you here! #harfordstreams Harford County Government	Video	8/21/19 5:00	636	636	367
Plant With a Purpose Looking for something a little bigger to add to your landscape? Try the Eastern Redbud (Cercis canadensis)! The Eastern Redbud is a small deciduous tree that is valued for its profusion of rosy pink flowers. In addition to its beautiful color, the Eastern Redbud also has a nicely rounded crown which makes it a wonderful addition to any landscape! Send us pictures of your native plants, we would love to see them! #harfordstreams Harford County Government Harford County Master Gardeners - University of Maryland Extension	Photo	8/22/19 5:55	832	832	561
Do your "doody" and scoop the poop! Did you know that pet waste is responsible for 20-30% of the pollution in our streams? Please help Harford Streams kick off our Pet waste campaign by taking 30 seconds to fill out our Pet Waste Poll. Please follow the link to reach the survey: https://bit.ly/2yTg4M1 Harford Streams and your watershed thanks you for doing your "doody!" #harfordstreams Harford County Government	Video	8/22/19 6:39	243	243	230
Conowingo Dam is calling your name! Take a look at all the fun that is in store for you at the Conowingo Dam. If you like what you see, check it out in person and send us your pictures! We love seeing our Summer Adventure friends finishing off the summer with a bang! #harfordstreams Harford County Government Conowingo Visitor Center Exelon	Video	8/23/19 5:00	484	484	405
The Carr family says, "No such thing as bad weather, only bad clothes!" These are true Summer Adventurers out enjoying Susquehanna State Park! Thank you for your dedication and keep sending in those selfies. #HarfordStreams Harford County Government	Photo	8/23/19 16:31	408	408	391
Another Summer adventure that you just have to get in before the summer is over is Deer Creek on Harmony Road! There is not a more perfect way to end the summer! Come on in the water is great! #harfordstreams Harford County Government	Video	8/26/19 5:00	729	729	451
It's National Dog Day! Do your "doody" and scoop the poop! Did you know that pet waste is responsible for 20-30% of the pollution in our streams? Please help Harford Streams kick off our Pet waste campaign by taking 30 seconds to fill out our Pet Waste Poll. Please follow the link to reach the survey: bit.ly/2yTg4M1 Harford Streams and your watershed thanks you for doing your "doody!" #harfordstreams Harford County Government	Video	8/26/19 12:12	437	437	360
Forge Hill Road clean up in Palmer State Park with Master Watershed Steward Bryon Bodt. To learn more about Master Watershed Stewards visit bit.ly/WatershedStewards. #HarfordStreams Harford County Government	Video	8/27/19 10:24	807	807	437
	Photo	8/28/19 4:32	420	420	399
Summer is coming to an end, but that doesn't mean that your adventures have to end! Eden Mill is the perfect place to adventure and explore! Get in your Summer Adventure pictures by September 2, 2019 to receive your prizes! 7 locations guarantees you a Summer Adventure T-shirt, 11 enters you into a pontoon boat ride raffle, and 15 enters you into a raffle for a canoe trip! #harfordstreams Harford County Government	Video	8/28/19 5:03	1470	1470	340
Plant With a Purpose Sometimes invasive plants are sought after because of their exotic and colorful traits; however, you never have to go far to find amazing and beautiful native plants. Turk's Cap Lily (Lilium superbum) is a perfect example of Maryland's very own exotic beauty! If you enjoy a gardening challenge, this spectacle is usually recommended for the expert gardener. Have you mastered the Turk's Cap Lily? Send us your pictures! #harfordstreams Harford County Government	Photo	8/29/19 5:02	948	948	517
Another furry friend earned a bandanna. Look at some of things these Summer Adventure friends enjoyed while taking along their furry friend. Don't forget to take your furry friends with you. The weather is perfect for all! #HarfordStreams Harford County Government	Video	8/29/19 8:22	528	528	394
Hi Summer Adventure friends! We can't tell you how happy we are to have had so many of you exploring Harford County this summer! We can't wait to see your smiling faces next year! Take a look at our Summer Adventure friends at Edgeley Grove! Even though summer is over, that doesnt mean you can't have a fall adventure, keep on exploring! #harfordstreams @Harford County Government	Video	9/2/19 5:02	1421	1421	444
Congratulations to the Ross family on winning the Pontoon Boat Ride and thank you Anita C. Leight Estuary Center posted by OPCA for donating again! Let see where they went on their Summer Adventure and what they had to say about it. #harfordstreams Harford County Government	Video	9/4/19 12:16	860	860	521
Congratulations to the Bridges family! They won the Canoe Trip for 16 donated by Eden Mill. Let's join them on their Summer Adventure. #HarfordStreams Harford County Government	Video	9/4/19 14:04	1292	1292	636
Plant With a Purpose Bring some vibrant red into your garden with the Cardinal Flower (Lobelia cardinalis.) The Cardinal Flower has to be one of our favorite natives yet, look at it, how couldn't it be? This beauty enjoys shade and moist, rich soil. A perfect addition to any home! #harfordstreams Harford County Government	Photo	9/5/19 5:00	818	818	602
Join Interfaith Partners for the Chesapeake for an inspirational bus tour and see how congregations are caring for local waters. #HarfordStreams Harford County Government	Link	9/6/19 7:36	248	248	227
	Photo	9/10/19 3:14	449	449	425
Take your kayak or canoe on a scenic autumn tour with local naturalists and biologists to learn about our native wildlife here in beautiful Harford County on this easy going tributary of the Susquehanna River, Broad Creek. #HarfordStreams Harford County Government	Link	9/18/19 11:56	441	441	429
Reuse/Recycle with a Purpose: #HarfordStreams Harford County Government	Photo	9/20/19 5:02	386	386	369
White Turtlehead (Chelone glabra), a native wildflower, is now blooming across Maryland. #HarfordStreams Harford County Government	Photo	9/20/19 5:49	339	339	323
On May 18, 2019, the Izaak Walton League of America - Harford County Chapter planted a pollinator garden. The purpose of this project was to remove invasive plants and install a garden with native plants. This will not only help the survival of our native pollinators but will beautify the entrance to the parking lot for visitors. The garden is located at the Chapter's 350 acre Bosely Conservancy on Perry Ave. in Edgewood. The garden is approximated 250 square feet and was planted with 165 native pollinator plants of 11 different species. Additionally, since this is located in a Chesapeake Bay Critical Area, swamp white oak trees and buttonbush shrubs were planted for mitigation. Several Chapter members, Master Watershed Stewards and a couple of very energetic neighbors helped install this project in merely a couple hours. Volunteers removed invasive vegetation that consisted of english ivy, oriental bittersweet and multiflora rose, covered the area with layers of topsoil and mulch, and planted the native plants. The Chapter would like to thank the Anita C. Leight Estuary Center posted by OPCA for their help in making this project possible. #HarfordStreams Harford County Government	Video	9/23/19 6:43	783	783	437
Vegetable Crops to Plant Now!	Link	9/25/19 4:28	339	339	321
	Photo	9/27/19 11:04	187	187	176
Don't suffocate your trees! #HarfordStreams	Link	9/30/19 4:12	355	355	336
Free mulch!	Photo	10/1/19 5:02	214	214	201
	Photo	10/4/19 4:07	252	252	237
Want to help the bay this fall? Got leaves? You can make a difference. Check out this blog post from our friends at the AA County Watershed Stewards Academy. #HarfordStreams Harford County Government	Link	10/4/19 5:00	228	228	211
	Photo	10/11/19 12:31	189	189	176
	Link	10/14/19 4:44	256	256	241
	Photo	10/17/19 7:13	400	400	380
Leave the Leaves! #HarfordStreams Harford County Government	Photo	10/22/19 4:05	312	312	293
20th Anniversary Celebration of the Nature Walk was held on September 4, 2019. Ladew Topiary Gardens in Monkton celebrates the scenic beauty and history of Northern Harford County with its formal gardens, incredible topiary sculptures and Manor House. In order that guests can see things a little more on the wild side, it also has a one mile Nature Trail which recently commemorated the 20th anniversary of its founding. The trail winds its way through upland forests, meadows, wetlands and along a former iron ore quarry. After music, art, and a ceremony, guests were invited to walk along the trail to see various environmental learning stations, many with live animals. These included bird watching, butterflies, maple sugaring and blue birds. Master Watershed Steward, Bryon Bodt was asked to talk about wood duck nesting, floating treatment wetlands and the Watershed Stewards Academy at the station overlooking the quarry. The floating wetlands were the capstone project of Allison Jeanette Moslev and Bryon Bodt. #HarfordStreams Harford County Government	Video	10/22/19 12:00	372	372	327

Join us, Master Watershed Steward, George A Wiggins and our Summer Adventure poster child, Brayden Staron for a fun filled day at Eden Mill. Admission is FREE and there are lots of FREE activities for the entire family. #HarfordStreams Harford County Government	Link	10/24/19 5:34	216	216	198
Help protect our kids, our pets and our streams by disposing your unwanted prescription drugs properly. This take back day will also accept sharps, epi-pens, patches, pills, liquids, pet medicines, old vitamins,etc. Please share with your friends, family, co-workers, social media, etc. If you have any questions, contact Charles L. Robbins, Jr. at clrobbins@harfordcountymd.gov. #HarfordStreams	Photo	10/25/19 5:01	171	171	158
	Link	10/28/19 9:02	305	305	287
Two Maryland counties under quarantine amid spotted lanternfly invasion	Link	10/30/19 8:22	197	197	180
	Link	10/31/19 4:36	134	134	123
	Photo	11/1/19 4:19	302	302	286
Blackout Dates for Lawn Fertilizer Applications Take Effect on November 16	Link	11/4/19 12:23	239	239	224
Help protect our kids, our pets and our streams by properly disposing of your household hazardous waste for FREE! #HarfordStreams	Photo	11/7/19 11:26	180	180	164
Gabby Spencer’s SAE project @North Harford High School. Teri Myers, one of our Master Watershed Stewards is mentoring her for this project. #HarfordStreams @HaHarford County Government	Video	11/12/19 8:57	506	506	293
Fall Fest at Eden Mill on November 2nd. It was an awesome day! #HarfordStreams Harford County Government	Video	11/14/19 12:01	1923	1923	367
Meet the Hower's, they are the winners of the Summer Adventure drawing big prize pack. The other winner's are Angie Chrisikos and Alexander Harvin. #HarfordStreams Harford County Government	Video	11/15/19 13:08	311	311	244
Winter is coming. Are you prepared? Do you use salt on your driveway or sidewalks? Check out this video from our friends at the Mississippi Watershed Management Organization in Minnesota. #MWMO #HarfordStreams Harford County Government	Link	11/21/19 6:24	219	219	205
Today is World Fisheries Day! #HarfordStreams	Photo	11/22/19 9:07	214	214	198
	Link	11/25/19 4:52	302	302	280
	Photo	11/25/19 11:53	196	196	177
Have a Safe and Happy Thanksgiving from all of us at #HarfordStreams!	Photo	11/27/19 6:41	281	281	260
	Link	12/3/19 4:30	210	210	190
Have you mulched yet? #HarfordStreams Harford County Government	Link	12/5/19 12:09	1358	1358	198
Something to think about. #HarfordStreams Harford County Government	Photo	12/9/19 4:25	400	400	374
Have you ever wondered about Skunk Cabbage? #HarfordStreams Harford County Government	Photo	12/12/19 5:15	260	260	238
Keep exploring #HarfordStreams Harford County Government	Photo	12/13/19 5:18	243	243	220
	SharedVideo	12/16/19 12:55	145	145	121
Native Plant Conservation Campaign News: Senate introduces bipartisan legislation to promote pollinator and native plant friendly roadside management. #HarfordStreams Harford County Government	Photo	12/19/19 4:22	312	312	278
Start the New Year right & get outside. Try a First Day Hike ... check out this list. #HarfordStreams Harford County Government	Link	12/20/19 8:17	254	254	220
#SummerNeverEnds	Photo	1/2/20 12:28	346	346	311
Join Interfaith Partners for the Chesapeake for Faithful Green Leaders Training, a free one-day session, followed by a series of monthly Green Team Learning Lab webinars. #HarfordStreams Harford County Government	Link	1/3/20 6:51	226	226	191
Meet Amy Wolff, she's currently attending the Master Watershed Stewards Academy at Harford Community College. Amy joined the academy because she is passionate about nature, sustainability and environmental stewardship. Amy is a National Board Certified Teacher for Harford County Public Schools. After earning her Masters degree in Reading Education she completed extensive course work in Educational Leadership, Nature Education and Environmental Literacy. Amy is currently working on an Innovative School Project for Harford County Public Schools to provide students with opportunities for meaningful place-based learning through outdoor field experiences, stewardship, and civic action. Amy volunteers for Hickory Elementary School's Ecology Club, fostering students' appreciation for nature after school hours. In her spare time, she enjoys spending time outdoors gardening, hiking, birding, kayaking, and camping with her husband and her dog. Amy is excited to engage with the community of Harford County, to share the benefits of spending time in nature, to build awareness of the ways humans impact the environment ,to increase sustainable practices in Harford County, and to continue learning along the way! #HarfordStreams hit lv/WatershedStewards Harford County Government	Photo	1/3/20 12:50	11552	11552	800
Meet Bethany Boniface, she's currently attending the Master Watershed Stewards Academy at Harford Community College. Bethany has grown up her entire life utilizing and admiring the Harford County watersheds. She joined the Harford WSA in order to increase her knowledge and awareness on how to better Harford’s watersheds and keep them healthy and beautiful. Bethany lives in Darlington, very close to the Deer Creek Watershed. Her favorite year round activity is to kayak down Deer Creek with her friends and family. She works at Cecil County Government, and one of her day to day tasks is regulating development within the Chesapeake Bay Critical Area. She wishes to continue to work on projects that increase water quality and wildlife habitat. She graduated from the University of North Carolina Asheville with a BS in Environmental Management and Policy. Bethany's degree and career field have pushed her to become a steward of the environment. especially her local watersheds. #HarfordStreams Harford County Government	Photo	1/10/20 8:51	1913	1913	529
Visit the Anita C. Leight Estuary Center posted by OPCA and celebrate World Wetlands Day inside the Estuary Center! There will be food and fun activities for all ages. A special guest appearance - Wetland Deli - Music, Games and a Scavenger Hunt - Exhibitors - Live Animal Demonstrations - and more! Call us at 410-612-1688 for more information. #HarfordStreams Harford County Government	Link	1/13/20 4:48	314	314	296
Join a Master Gardener to learn to grow vegetable and flower transplants from seeds started indoors. Register here: https://hcplonline.evanced.info/signup/EventDetails?EventId=40586&backTo=Calendar&startDate=2020/02/01 #HarfordStreams Harford County Government	Link	1/15/20 5:31	378	378	358
	Photo	1/15/20 6:21	174	174	158
Meet Sabra Kurth, she's currently attending the Master Watershed Stewards Academy at Harford Community College. Sabra has lived in Harford County for many years. While living here, she has renewed a lifelong interest in the environment and conservation. She currently works with elementary school children at the Y. Sabra was interested in attending the Watershed Stewardship Academy after participating in the Summer Adventure Program sponsored by Harford Streams. The Academy, with its emphasis on community assistance and cooperation, is a good fit for Sabra’s involvement with community organizations like the Girl Scouts. In her spare time, Sabra enjoys traveling, reading, and participating in walking/running events. #HarfordStreams Harford County Government	Photo	1/17/20 12:00	476	476	423
Our mascot, Seymour Clearwater, has been traveling lately and we thought we would share some of his outdoor adventures with you. #HarfordCounty	Photo	1/21/20 5:15	396	396	354
Meet Sarah Reed, she's currently attending the Master Watershed Stewards Academy at Harford Community College. Sarah was formally introduced to environmental conservation a few years back when she started working with a local, Harford county ecological organization called Ecotone, Inc. They are focused on stream restoration projects and mitigation banking. As the HR Manager, she is not personally involved with the conservation efforts of the company, but she has developed an appreciation for environmental sustainability. Wanting to be more of an active, good steward of the land and waterways, she applied to the Watershed Stewards Academy to learn the scientific principles behind conservation. Her ultimate goal is to work with others in the community on projects that promote environmental responsibility. #HarfordStreams Harford County Government	Photo	1/24/20 12:00	451	451	352
Do you have a healthy yard? #HarfordStreams Harford County Government	Photo	1/27/20 6:31	284	284	268
Join a Master Gardener and learn how to grow vegetable and flower transplants from seeds started indoors. Register here: https://hcplonline.evanced.info/signup/EventDetails?EventId=40586&backTo=Calendar&startDate=2020%2F02%2F01&fbclid=IwAR3d581tvYR8Y-iVs6chhH5EoM8Pr2ODgkbyMus-lcUUi4thAXT-Bva0v14 #HarfordStreams Harford County Government	Link	1/28/20 5:17	357	357	338
Ariel Woodworth is currently attending the Master Watershed Stewards Academy at Harford Community College. She is a full time Harford County Government employee and she attends the University of Maryland Global Campus as an Environmental Management major. In her spare time, she enjoys reading and hiking and has a passion for the National Park System. The photo is from a recent trip she took to Pinnacles National Park. Her favorite president once said, “The farther one gets into the wilderness, the greater is the attraction of its lonely freedom.” (Teddy Roosevelt). Ariel plans to use what she learns in the WSA to supplement her formal education and become a more well-rounded advocate for coastal ecosystems. #HarfordStreams Harford County Government	Photo	1/31/20 12:00	412	412	275
botanist and Virginia resident Joey Thompson shows what a native lawn can look like. Here is a wonderful example of a native lawn, or freedom lawn as I've heard it called, that occurs without foreign seeding or hardly any maintenance. #HarfordStreams Harford County Government	Photo	2/3/20 7:08	317	317	298
Time for Spring Planting: Do you belong to a church, civic or community group, or HOA with room for some native trees and shrubs? Check out the Tree-Mendous Maryland program from DNR. #HarfordStreams Harford County Government		2/5/20 10:06	291	291	232
Join Vanessa Beauchamp Sunday at the Anita C. Leight Estuary Center and learn how to manage invasive plant species. #HarfordStreams Harford County Government	Photo	2/6/20 10:55	207	207	195
Harford Land Trust is hiring an Outreach & Administration Coordinator. #HarfordStreams Harford County Government	Photo	2/7/20 7:33	180	180	163
Meet Mary Beth O'Bryan, she's currently attending the Master Watershed Stewards Academy at Harford Community College. Mary Beth joined the Harford WSA to gain more knowledge to help aid in her career as an Executive Assistant at Ecotone, Inc., a design-build ecological restoration company that aims to create a world where humankind and the natural environment thrive. Mary Beth has a Bachelor of Science in Business Administration from the University of Louisville. Born and raised in Louisville, KY, she relocated to Maryland with her family in June of 2012. Mary Beth and her family, which includes her husband Jason, two boys Evan (age 10) and Alex (age 9), 1 dog and 3 cats, live in Forest Hill, Maryland. They enjoy spending time outdoors on the Ma and Pa trail, camping, and various sports. Mary Beth is most interested in connecting community HOA’s, and landowners to the resources they need for stream restoration projects, wetland mitigation, and stormwater management needs. She is also passionate about leading community efforts for trash cleanup along the trail and encouraging citizens to get involved in community projects. #HarfordStreams Harford County Government	Photo	2/7/20 11:00	367	367	334
SAME Chesapeake Lunch Event February 20, 2020	Link	2/7/20 18:52	152	152	140
	Photo	2/12/20 5:02	276	276	263
Preserving Land protects the local streams and the bay.	Photo	2/12/20 10:44	203	203	185

	Link	2/13/20 8:04	233	233	222
Learn how to grow your own meadow. #HarfordStreams @Harford County Government	SharedVideo	2/13/20 12:59	159	159	149
Meet Morgan Jones, she's currently attending the Master Watershed Stewards Academy at Harford Community College. Morgan was born and raised in Havre de Grace, Maryland, and is excited to be a part of the Watershed Stewards Academy to serve her community better and be a voice for the environment. Morgan holds a Bachelor of Science in Geology and Masters of Arts in Sustainability from Hofstra University, is currently finishing up her Masters of Science in Geospatial Intelligence at the University of Maryland, College Park and will be starting her Ph.D. in the winter of 2020. Morgan joined the Academy to find a way to bridge the gap between science and the community in a meaningful way. She has a lifelong love of science, is passionate about rocks and water, and enjoys sharing her knowledge with people from many different backgrounds. She looks forward to working on long term live monitoring projects within the watershed and incorporating geospatial analysis on community service-based projects that promote the Bay's health. #HarfordStreams Harford County Government	Photo	2/14/20 10:00	332	332	306
Why you shouldn't till your garden. #HarfordStreams Harford County Government	Photo	2/18/20 5:00	571	571	230
The fourth and final in the winter Leight Speaker Series - Nature and Nosh is this Sunday, February 23 from 4–6pm. Call or email the Center to register! #HarfordStreams Harford County Government	Photo	2/21/20 5:56	170	170	161
Meet Linda Secor, she's currently attending the Master Watershed Stewards Academy at Harford Community College. Linda retired from Harford County Government in 2001. She also operated a bookkeeping/tax service for 20 years before fully retiring in 2017. Linda is excited to be part of the academy because she is very interested in nature and the impact every day living has on the environment. Linda is looking forward to working with other members of the Academy to learn and implement measures to help keep Harford County and its waterways beautiful and clean for the next generation. Linda likes to travel whenever possible and has recently spent time in Australia, New Zealand, and Panama, as well as Florida and the Caribbean. She finds it very interesting to see how other areas of the world focus on Master Naturalists, Doug Tallamy is giving a lecture to the public for free at Hood College, Hodson Auditorium, Rosenstock Hall March 22nd at 2:00pm. This is being Co-sponsored with MACS (Multi-faith Alliance of Climate Stewards). He will be signing his newest book, 'Natures Best Hope' after the lecture. Free and open to the Public. Registration is required through bit.ly/macselecture. #HarfordStreams Harford County Government	Photo	2/21/20 11:00	538	538	259
Join Harford County Master Gardeners - University of Maryland Extension this Saturday for a native butterfly class at the Harford County Ag Office. 2/29/20 1-2:30 pm \$5. at the door. No matter the size of your garden, by providing the resources the adult butterfly and larvae need, you can attract these winged beauties to your place! Learn about butterflies native to Harford County and their specific needs. Class address: Ag Center, 3525 Conowingo Rd, Street, MD 21154; 410-638-3255 #HarfordStreams Harford County Government	Photo	2/22/20 7:00	383	383	248
National Invasive Species Awareness Week. #HarfordStreams Harford County Government	Photo	2/25/20 4:24	216	216	203
Meet Nathan Armstrong, he's currently attending the Master Watershed Stewards Academy at Harford Community College. Nathan is a 5th grade teacher for Harford County Public Schools in Bel Air, MD. He enjoys educating his students about environmental issues and methods of improving the impact on the environment. He joined the Watershed Stewardship Academy to improve his knowledge of environmental stewardship. Nathan is interested in using the knowledge gained from the WSA to help the community be better custodians of the environment. Serving his community is not new, as he spent five years in the U.S. Navy before attending Towson University to become a teacher. During this time, he also joined the Havre De Grace Ambulance Corps where he is currently a volunteer EMT. Nathan looks forward to using his knowledge to help his students and his community. #HarfordStreams Harford County Government	Photo	2/26/20 4:07	122	122	111
Join Scott McDaniel for a Night Hike to an Amphibian Vernal Pool hosted by Susquehannock Wildlife Society. FREE event but you must have tickets. #HarfordStreams Harford County Government	Photo	2/28/20 11:00	876	876	342
	Link	3/5/20 12:08	229	229	216
	Photo	3/6/20 4:16	207	207	192
Have you been to the Anita C. Leight Estuary Center posted by OPCA? Great place to visit. #HarfordStreams	Photo	3/7/20 11:37	259	259	245
Pssst... the Easter Bunny is coming. Visit with him, find hidden eggs, receive a sweet treat and try to win the grand prize at the Easter egg hunt Saturday, April 11 from 11:30 a.m. to 1 p.m. at Churchville Recreation Complex. Register at https://secure.rec1.com/MD/harford- county- md/catalog... #HarfordStreams	Photo	3/9/20 4:48	134	134	118
UPDATE: In the interest of public safety and to slow the spread of COVID-19 in Harford County, this workshop has been cancelled and will be rescheduled in the fall. Are you involved in maintenance of SWM facilities as part of your Homeowner's Association, or your work for a Property Management Company, or Landscaper, or other Contractor? Then this Stormwater Management Maintenance Workshop is for you – Wednesday March 25, 2020, 8:30am-12:30pm at HCC. Registration is required. Sign up by March 23, 2020 at http://bit.ly/StormwaterForm. Learn about (1) Legal mandates for the maintenance of stormwater management facilities. (2) Recognition of the various types of facilities. (3) Development of maintenance schedules to fulfill requirements. (4) Budgeting for Maintenance. This is for contractors, landscapers, homeowner associations, and management companies, but it is open to anyone. Field inspections will be performed on various types of stormwater management facilities, including environmental site design systems, located on the HCC campus; therefore, dress appropriately for the weather. If you have not attended a workshop within the past five (5) years you are encouraged to attend as there have been many changes to policies and practices. #HarfordStreams Harford County Government	Photo	3/9/20 4:58	366	366	264
Have you heard about the The Grove? Help your agri-business thrive! See flexible terms and apply for your spot today at https://www.harfordcountymd.gov/2799/The-Grove #HarfordStreams	Photo	3/10/20 5:02	170	170	155
Master Watershed Steward Bryon Bodt preparing for Ladew Topiary Gardens Nature Walk for Opening Day. Check out the time lapse video of his floating wetlands which was his capstone project. To see more information about what Master Watershed Stewards do in the community or about the academy, visit http://bit.ly/WatershedStewards. #HarfordStreams Harford County Government		3/12/20 4:50	183	183	166
UPDATE: In the interest of public safety and to slow the spread of COVID-19 in Harford County, this event has been cancelled and will be rescheduled in the fall. "Join Harford County for our annual Arbor Day tree planting event on April 10th! Everyone is welcome, come rain or shine. No prior tree planting experience required! Start the day by mingling with vendors and meeting local mascots. Instructors will be available to demonstrate the proper way to plant and assist you with your tree plantings during the event. Please bring a hammer, shovel, and work gloves if you have them. Everyone will receive a free native tree for attending." For more information please call 410.638.3103 x1380. #HarfordStreams Harford County Government	Photo	3/13/20 5:20	564	564	286
	Photo	3/13/20 8:16	156	156	144
Something to consider. #HarfordStreams	SharedVideo	3/17/20 5:08	115	115	103
	Photo	3/26/20 4:06	141	141	130
	Photo	3/30/20 4:08	201	201	187
While you are at the Farmer's Market on Saturday, April 11th, stop by and take a look at the progress we are making on the Courthouse parking lot rain garden! Rain gardens help with pollution control, flooding protection, habitat creation, and water conservation; not to mention, they add beautiful greenery to our community! #harfordstreams @Harford County Government	Video	3/30/20 8:47	560	560	308
	Photo	3/31/20 11:06	131	131	119
Keeping you in the (water) works! Stay updated on the progress of the Courthouse rain garden and see it come to life in the next couple of weeks! #harfordstreams Harford County Government	Video	4/1/20 7:23	416	416	256
	Photo	4/3/20 9:12	188	188	174
Earth Day Anyway - Even with social distancing we can all celebrate Earth Day Anyway! The first Earth Day was 50 years ago on April 22, 1970. Here are some things you can do at home all throughout the month of April. Acting together we can have an impact ... even the oceans are made drop by drop. Thanks to Gunpowder Valley Conservancy and their partners for this idea. #EarthDayAnyway #EarthdayEveryday #HarfordStreams Harford County Government	Photo	4/3/20 9:46	178	178	162
Continue on this journey with Harford Streams as we see the Courthouse rain garden come alive. Stop by and see for yourself our progress while you are at the Farmer's Market on Saturday, April 11th! Until then and onward, we will keep you in the (water) works as we continue on with our progress. #harfordstreams Harford County Government	Video	4/9/20 10:48	950	950	265
	Photo	4/10/20 9:27	165	165	150
Bel Air Farmers' Market	SharedVideo	4/12/20 4:32	90	90	78
What a great idea!	Photo	4/12/20 4:36	286	286	270
In light of our rain garden in the Courthouse parking lot coming together, we want to share one of the many reasons this rain garden is important. Our rain garden will have many native plants incorporated into the design. When we use native plants in our landscape, we are supporting the wonderful wildlife that in turn, supports us. 🌱🌱🌱🌱🌱 Recent studies have reported that there has been a widespread decline in insect populations around the world and one reason for this is habitat loss. Most insects have co-evolved to feed and survive from our native plants, without these plants, many insects cannot thrive. Even if sometimes pesky, insects are vital in many of life's functions including a vital role in our food production. For more information about insects and the importance of native plants: http://www.niskvlands.com/wildlife-insects-garden #harfordstreams Harford County Government	Photo	4/13/20 11:56	384	384	266
Food Giveaway in Pylesville - Mason Dixon Community Services	Link	4/17/20 9:28	87	87	74
	Photo	4/17/20 9:33	176	176	163
Tomorrow is such an exciting day, it is Earth Day! We can still celebrate the Earth in the way she deserves through education, green acts, and fun activities! Environment America has shared many ways that you can celebrate Earth, not only tomorrow, but every day! You can join Environment America in their Conservation Conversation every Thursday at 7pm Eastern for a 30-minute presentation and discussion about interesting things found in the natural world. Environmentalist in training? Green Kids is a weekly 30-minute environmental webinar for kids to learn about nature and do fun activities. Every Wednesday at 2pm Eastern. Check out all the Earth-loving fun! https://environmentamerica.org/feature/ame/greener-together-0#events The Earth does many amazing things for us, let us celebrate together and be green together! #Harfordstreams Harford County Government	Photo	4/21/20 4:52	378	378	199
Our planet is an amazing place, but it needs our help to thrive! That's why each year on April 22, more than a billion people celebrate Earth Day to protect the planet by taking part in activities like picking up litter and planting trees, we're making our world a happier, healthier place to live! Things you can do this Earth Day to celebrate, give thanks, and make the Earth a better place: 1. Become a Waste warrior: before you throw something away, think about whether it can be recycled or repurposed. 2. Plant a tree and watch it grow! 3. Turn the lights off to conserve energy 4. Offer your time: On your walks or hikes, bring a bag and pick up some trash! 5. Watch your water usage: turn that water off when you are brushing your teeth! 6. Share the message: talk to family and friends about the importance of taking care of our Earth! Be a Planet Hero! Share with us how you are loving the Earth a little extra! #harfordstreams Harford County Government	Photo	4/21/20 10:00	397	397	176
Harford Streams celebrates our Earth today and every day! How you may ask? 🌱🌱 Capital projects: Stream restorations, rain gardens and tree plantings are just a few of our projects that help our Earth! 🌱🌱 Monitoring: we closely monitor biological, chemical, and physical water quality. 🌱🌱 Outreach: we educate our community in many important subjects such as native plants, pet waste, and most importantly, we encourage our community friends to explore Harford County's streams and understand why our vital and beautiful environment is important to preserve and help to see flourish! #harfordstreams Harford County Government	Photo	4/22/20 7:34	2104	2104	277
Today is Earth Day – Celebrate! You might not be able to have the celebration you had planned, but you can still have a festive Earth Day. Thanks to our friends from the Anne Arundel Co Watershed Stewards Academy who have posted lots of ideas on their “Take Action at Home” page. #EarthdayAnyway #EarthdayEveryday #HarfordStreams https://aawsa.squarespace.com/action-at-home	Photo	4/22/20 13:12	260	260	196

	Photo	4/24/20 8:44	156	156	140
You count in a crisis like COVID-19. Census data determines how billions of dollars in federal funding is allocated for hospitals, public safety, schools & more. Take the 2020 Census today. It's easy, it's safe and it's important. https://2020census.gov/	Link	4/29/20 13:15	150	150	136
Take a virtual stroll with us through our Courthouse Rain Garden Progress! We are in the final steps of our project and that means: plants! Stay tuned for even more updates within the next weeks, and even more green! #harfordstreams Harford County Government	Video	4/29/20 21:00	328	328	229
	Photo	5/1/20 10:47	153	153	133
🐝🐝 Native pollinator gardens not only add vibrance and beauty to your yard, but also help pollinators such as birds, bees, and other insects thrive and carry out essential life functions, one of those functions includes helping to pollinate our food! 🐝🐝 If you need a hand in choosing the right plants for your soil or just need some extra help organizing your garden, check out these amazing native plant garden templates from The The Howard County Conservancy https://www.howardnature.org/wp-content/uploads/2020/05/Native-Plant-Pollinator-Garden-Templates.pdf #harfordstreams Harford County Government		5/5/20 9:05	430	430	142
Having trouble finding things to do inside? Why not bring nature fun inside and with your very own interactive Pollinator Journal! Learn about pollinator life cycles and other fun facts all while completing fun mazes and activities! Thank you Maryland Department of Natural Resources! Pollinator Journal: https://dnr.maryland.gov/wildlife/Documents/PollinatorJournal.pdf Nature Activity Journal: https://dnr.maryland.gov/wildlife/Documents/NatureJournal.pdf #harfordstreams Harford County Government	Link	5/7/20 9:01	132	132	114
Free native tree seedlings to Harford County residents Saturday, May 8, 2020. Read the entire post for details and print it to take with you. Limit of 10 trees per species. #HarfordStreams Harford County Government	Photo	5/8/20 4:49	293	293	272
	Photo	5/8/20 10:39	167	167	145
Let's make some fun crafts with some things around the house to pass time while also helping our environment and friends outdoors! See the pictures below for some extra inspiration! 1) 🐸🐸 Start Seeds in Egg Cartons. Use cardboard egg cartons or toilet paper tubes to start seeds for your garden! 2) 🐸🐸 Make a Toad Abode. Do you have old clay pots lying around? Consider adding them to a shady area under bushes to create a makeshift toad abode. Loosening the soil under the pot can assist toads with cover. 3 🐸🐸 Make a Bird Bath. If you have a clay pot and saucer and don't want to make a toad abode. consider making your own bird bath. #harfordstreams Harford County Government	Photo	5/9/20 9:01	238	238	209
Marvland Department of Natural Resources Have you ever wondered what a stream looks like at the peak of a storm? Wonder no longer and check out this neat time lapse of our Bynum Run Stream Restoration. Although the stream seems to get very wide and full of water, not to worry, this is a sign of a healthy stream! The excess water from the storm overflows into the floodplain of the stream, allowing nutrients to deposit and water to flow through the stream without eroding the banks! The left side shows rain gage height through the storm and the right shows the stream through the storm! #harfordstreams Harford County Government	Video	5/11/20 9:01	871	871	316
Hello Friends! The time has finally come; our Courthouse Rain garden is now officially a GARDEN! Follow the planting progression below and see our garden come to life! Thank you for following our progress up until this point, now we can watch our garden flourish and grow together! #HarfordStreams Harford County Government	Video	5/15/20 5:30	434	434	331
	Photo	5/15/20 11:12	153	153	127
	Link	5/18/20 6:55	225	225	202
Bring the outdoors inside! The Chesapeake Conservancy gives you a 24 hour LIVE insider look into the daily lives of some of our favorite Chesapeake region birds! This includes a Peregrine Falcon, Osprey, and a Great Blue Heron. Today we have been keeping up with resident ospreys, Tom and Audrey! Join in on the fun! https://chesapeakeconservancy.org/what-we-do/explore/wildlife-webcams/ Harford County Watershed Stewards Academy has their own Facebook Page. Looking forward to seeing all the amazing things you do in Harford County. Learn more about how to become a Master Watershed Steward at bit.ly/watershedstewards #HarfordStreams Harford County Government	Photo	5/18/20 8:31	234	234	179
Explore the natural beauty of Harford County streams this summer, take selfies at your favorite locations and win prizes (including your free t-shirt) in Harford Streams Summer Adventure! Make sure to be safe and maintain social distancing while participating. Learn more and register today: http://www.harfordcountymd.gov/ArchiveCenter/ViewFile/Item/1764	Photo	5/20/20 10:21	3044	3044	431
The Watershed Stewards Academy (WSA) is a training program to empower residents to improve the quality of local waterways. Our Watershed Stewards have created an official WSA Facebook page to share projects, knowledge, and help inspire you to become a steward of your watershed! Make sure to follow the Harford County WSA page to stay involved on all things Watershed Stewards! #Harfordstreams Harford County Government	Photo	5/20/20 12:25	260	260	226
🌿🐝🐝 All Things Native 🌿🐝🐝 Harford Streams wants to help spread knowledge and awareness about the incredible beauty Maryland holds. Every Friday, look forward to kicking off your weekend by learning about Maryland's native plants, animals, and insects. We welcome you to share your fun facts and pictures as well! Our first native to start us off is the stunning Zebra Swallowtail (Protographium marcellus) which is native to Eastern United States and Canada. Take a look at the pictures below to help you identify Maryland's native Zebra Swallowtail in all cycles of its life. The Zebra swallow feeds only on plant species in the Asimina family such as the Slimleaf Pawpaw and Woolly Pawpaw. (pictured below) You may have seen both the Zebra Swallowtail and different Pawpaw's around and not even known; now you know what to look for! The Pawpaw is also native to Maryland. grows up to 25 feet tall. and the fruit can be eaten by both wildlife and humans! #harfordstreams Harford County Government	Photo	5/22/20 8:00	631	631	328
	Photo	5/22/20 9:36	213	213	180
Congratulations on being the first Summer Adventure friends to earn free t-shirts and dog bandanas! Have you registered yet at bit.ly/HSSummerAdventure? #HarfordStreams Harford County Government	Video	5/23/20 8:00	2592	2592	452
Explore the natural beauty of Harford County streams this summer, take selfies at your favorite locations and win prizes (including your free t-shirt) in Harford Streams Summer Adventure! Make sure to be safe and maintain social distancing while participating. Learn more and register today: bit.ly/HSSummerAdventure We can't wait to see where your adventures lead you!	Video	5/25/20 8:00	5640	5640	542
Our friends celebrated their Memorial Day weekend with some fun summer adventures! Enjoy and explore new locations as well as treasured favorites this year with your own summer adventures! Register at bit.ly/HSSummerAdventure ! We can't wait to see where you go! #harfordstreams Harford County Government	Video	5/26/20 7:59	4818	4818	429
	Photo	5/26/20 9:20	334	334	293
The Chesapeake Bay Trust, in partnership with Harford County is pleased to announce that Outreach and Restoration Grant Program is now open. This program funds projects that both improve communities and improve local natural resources like green spaces, parks, tree canopy, water bodies, and more within the County. This grant program will fund a variety project types, including but not limited to: • Educating community residents about natural resources and stormwater improvement practices, like down spout disconnection or rain barrels, proper pet waste management, rain gardens, tree planting, etc. • Communicating environmental messages that promote water quality improvement efforts • Conducting tree plantings to include forest plantings, large lot plantings, or similar • Installing restoration projects such as rain gardens, rain barrels, and bio-retention cells • Implementing meadow plantings that encourage pollinator activity To apply for Harford County funds, community partners must apply to the Trust's Outreach and Restoration Grant Program at https://cbtrust.org/grants/outreach-and-restoration/ The grant program is accepting proposals now through August 4, 2020 within three distinct funding tracks: TRACK 1: Outreach: up to \$30,000 for projects focused on increasing knowledge and up to \$50,000 for behavior change projects. TRACK 2: Restoration: up to \$50,000 for implementing (constructing) restoration projects. TRACK 3: Outreach and Restoration: up to \$75,000 for projects that combine outreach projects with restoration projects to achieve meaningful and measurable outcomes 🌿🐝🐝 All things Native 🌿🐝🐝 Happy Friday friends! Today we share with you another of Maryland's native beauties. The Rainbow Snake (Farancia erytrogramma) is a large nonvenomous, highly aquatic snake. Rainbow snakes are rarely seen due to their secretive habits, but also because they have become endangered! Rainbow snakes can be found in aquatic habitats ranging from cypress swamps and marshes to blackwater creeks. Snakes, like every living organism, play vital roles in our fragile ecosystems. They help to slow down population growth of common pests and pray. The rainbow snake enjoys small frogs, tadpoles, and salamanders. #harfordstreams Harford County Government	Photo	5/28/20 8:13	257	257	220
	Photo	5/29/20 8:00	3009	3009	496
	Photo	5/29/20 9:11	212	212	184
	Photo	5/31/20 14:18	272	272	242
Will you pledge to “bee” a good neighbor? Let us work together to create living spaces where honey bees and other pollinators can propagate without the effects of toxic chemicals. When you take the pledge, you can choose to pledge to any of the following: - Reduce single use-plastic - Plant a native tree - Create a pollinator-friendly garden - Sign an Action Alert - Start a compost bin - Go on a hike - Provide food and shelter for wild birds Choose one, or choose them all. Every steps counts towards “beeing” a good neighbor! Take the pledge at: https://support.nwf.org/page/19445/survey/1?locale=en-US #Harfordstreams Harford County Government	Photo	6/1/20 6:30	447	447	297
As the joys of summer are quickly approaching us, many take this time to venture off into nature... and we are all for it! We just want to share some quick tips with you to ensure that we preserve our natural areas for generations to come! 1. Bring a reusable water bottle to prevent unnecessary plastic use and litter. 2. Think local- choose a local hike to explore or carpool with friends to conserve fuel consumption. 3. Take only pictures and leave only memories- this means leave no trace; no one should be able to know you were out in the woods. 4. Stay on the trail- your detour off a trail can wear down natural wildlife. One person going off a path can encourage others to do so as well. 5. Protect our water- if you have to relieve yourself, do so at least 200 feet away from a stream. Also, if you are hiking, make sure to not wash dishes close to the water and use biodegradable soap! Let us know if you would enjoy some more helpful tips to be kind to nature while we adventure! #harfordstreams Harford County Government	Photo	6/1/20 8:00	3298	3298	406
We love seeing our friends out and about! Take a look at all the fun activities you can do while on a summer adventure! We can't wait to see where you go next! Register today so you don't miss out on any of the fun! bit.ly/HSSummerAdventure #harfordstreams @Harford County Government	Video	6/4/20 10:21	2885	2885	397
🐝🐝🌿 All Things Native 🌿🐝🐝 We love sharing knowledge and pictures of Maryland's stunning natives, but it is also important to talk about invasive species. Sometimes, invasive species can look quite similar to native species, but they do not have the same functionalities and can severely disrupt ecosystems and life cycles of other native species. The invasive scotch broom (Cytisus scoparius), pictured on the left, crowds out and creates unnecessary competition for native species. The northern spicebush (Lindera benzoin), pictured on the right, is a Maryland native. is similarly colored and even more lovely. The native northern spicebush provides nourishment and habitat for native species such as the eastern tiger swallowtail. #Harfordstreams Harford County Government	Photo	6/5/20 8:00	444	444	261
	Photo	6/5/20 10:28	224	224	188
Last nights storms were isolated across the County with nearly 3" in the north and less than a quarter inch to the south. Harford Streams in partnership with USGS added several rain gages recently in Norrisville and Whiteford to capture these types of storms. Check out the data at their website. Harford County Government https://waterdata.usgs.gov/md/nwis/current/?type=precip&group_key=NONE	Photo	6/6/20 7:17	844	844	348
Last nights storms were very intense for our neighbors to the north. The highest intensity was recorded at our Whiteford USGS gage with 0.91" in 15 minutes. Below is a video of the radar with an overlay of the rainfall. The storm started in Norrisville about 45 mintues before the first radar. Harford County Government	Link	6/6/20 10:32	388	388	351
See what our summer adventure friends have to say about their adventures! Our friends have seen so many critters on their explorations, found new favorite hiking places, and most importantly, enjoyed time with family and friends! #Harfordstreams Harford County Government	Video	6/8/20 8:09	2659	2659	480
The Chesapeake Bay Trust recently announced the opening of the Outreach and Restoration Grant Program. This grant program encourages outreach and community engagement activities engage Maryland citizens in the restoration and protection of the Chesapeake Bay. To assist potential grant applicants, there will be a FREE informational webinar workshop on Tuesday, June 16th from 5-8pm to provide: - an overview of the grant program - outreach, education, and restoration goals - step-by-step review of the application process - Q & A opportunities To register and learn more about the Outreach and Restoration Grant Program, be sure to RSVP using the link: https://forms.gle/7rZk4MT7MrvTuTJFA	Photo	6/10/20 6:10	407	407	274
Warm weather, smiles, and summer adventures! What more can you ask for? See what our summer adventure friends are up to this week! #HarfordStreams Harford County Government	Video	6/11/20 8:40	1789	1789	415

 🐸🐸🐸 All things Native 🐸🐸🐸🐸 Happy Native Friday folks! Our native beauty today is the Red salamander (Pseudotriton ruber). This species of salamander has a vibrant red skin with a random assortment of black spots. Although this species is common and widespread, locally, it has declined because of habitat loss. Why does this matter? Well, as we have mentioned before, all organisms have an influential role in our ecosystems as well as can provide us with vital information about our ecosystems. The Red Salamander is important for many reasons, but two really stick out to us: 1. Red Salamanders prefer streams that are relatively pure; this makes them sensitive to water pollution and also great indicators of the overall health of a stream of small river. So, if you find these little guys, this can indicate a healthy stream! 2. The Red Salamander is one of the most primitive plethodontids (lungless salamanders) so, it is extremely valuable in understanding the links to ancestors and the evolutionary processes that has occurred, helping us learn even more about our complex and amazing	Photo	6/12/20 8:00	3308	3308	407
	Photo	6/12/20 8:49	244	244	213
 🦋 Want to help monarch butterflies? All you need is a patch of common milkweed (Asclepias syriaca) and pruning shears. You can help Michigan State University scientists learn if managing common milkweed for mid- summer regrowth is a reliable way to increase monarch egg laying and caterpillar survival! 🦋🦋 Monarch butterfly populations have been in decline for several decades. The potential solution scientists discovered is under most conditions, when a common milkweed stem is cut off near ground level, a new shoot will appear in two weeks. These new shoots are highly attractive to female monarchs and regrowing stems also harbor fewer predators, giving young monarchs a chance to grow! 🦋🦋 Scientists need your help to learn if these techniques work in a wider variety of conditions. You can participate in many ways to help our monarch friends! Visit https://www.canr.msu.edu/msumilkweedregrow/ where you can sign up and learn more about monarch research! #harfordstreams Harford County Government	Photo	6/16/20 4:59	657	657	353
	Video	6/16/20 10:00	2475	2475	391
 🌿🌿🌿 The more you know 🌿🌿🌿 We have long seen underwater grasses as a sign of health in the Chesapeake Bay, but they may have additional benefits too! Scientists at the University of Maryland Center for Environmental Science (MCES) have found that the comeback of submerged aquatic vegetation (SAV) is not only helping to remove nutrient pollution and provide habitat for baby crabs, but the grasses may also offset acidification. Acidification refers to the increasingly acidic pH of water in the Bay due to fossil fuels and other human- driven activities causing higher levels of Carbon dioxide in the atmosphere. When the Chesapeake waters absorb this additional Carbon dioxide, the water gets more acidic. Water acidity is a problem for many reasons, one being that shellfish build their shells out of a compound called Calcium carbonate, and there is less of it available as Carbon dioxide increases. This means that oysters and mussels are at risk. Associate professors explain that SAV, when undergoing photosynthesis, generates a very high pH which helps to produce Calcium carbonate. These Calcium carbonate shells float downstream and dissolve into particles that reduce acidity levels. This could potentially help make many parts of the Bay waters more hospitable! #harfordstreams Harford County Government	Photo	6/18/20 8:13	567	567	432
	Photo	6/18/20 9:03	284	284	252
 🌿🌿🌿🌿 All Things Native 🌿🐸🐸 Sometimes when we talk about native species, we must talk about invasive species as well. Another invasive that looks very similar to its native counterpart is the Princess Tree (Paulownia tomentosa), pictured on the left. This invasive displaces natives and spread fast and easily, making it even more disruptive and dangerous. Our stunning native, the Redbud (Cercis canadensis), pictured on the right, hosts many different types of insects and birds. We want to share these interesting similarities with you because next time you are choosing plants to include in your landscape, think about if your plant species is invasive or native. Even if you enjoy the exotic look of invasive species, sometimes their native counterparts are even more beautiful and will help to keep our ecosystem thriving! #harfordstreams Harford County Government	Photo	6/19/20 8:00	436	436	231
	Photo	6/19/20 10:59	233	233	204
Its almost summer and we can hear the streams calling our names! Cool off with our summer adventure friends and hear what they have to say about Harford's streams and their explorations! If you have not signed up, join in on the fun at https://bit.ly/SummerAdventureRegister #HarfordStreams Harford County Government	Video	6/19/20 13:00	1906	1906	371
	Video	6/21/20 7:00	2178	2178	388
 🌸🌸🌸 🌿🌿🌿 🐝🐝 Celebrate National Pollinator Week this June 22- 28 with Harford Streams! 🌸🌸🐝🐝🌿🌿🌿 The job of a pollinator is to help plants reproduce by carrying pollen grains from plant to plant! Pollination happens when animals, wind, or water transfer pollen from flower to flowers or within flowers. Did you know that over 80% of the world’s flower plants are pollinated by animals! 33% of our food is only made possible by pollination! Most of our plants would not be able to produce seeds or fruit with the help of our pollinators friends. In Maryland we have many different animal pollinators including over 400 bees species and 150 butterfly species. (How cool is that!) We also rely on ants, beetles, flies, moths, wasps, and the ruby-throated hummingbird to pollinate our plants. 🌸🌸 Harford Streams challenges our summer adventurers to add a picture of a pollinator they observe to their summer adventure submission, in addition to their stream selfie, to show your appreciation for these extremely important animals. Your summer selfie and pollinator buddy will be featured in a fun Pollinator Week post! 🌸🌸 If you have not registered for our summer adventure program we invite you to do so through this link: bit.ly/SummerAdventureRegister For more information look for our upcoming posts that dive deeper into the world of pollinators and feel free to 🌿🐝🐝🌿🌿 Happy pollinator week friends! 🌿🐝🐝🌿🌿 We are so excited to celebrate this wonderful week with you all! We are continuing this celebration by sharing how you can attract different pollinators to your garden! Did you know that different pollinators are attracted to different flower colors, odors, shapes, bloom times, and nectars? We have provided a picture that lists some different pollinators such as bats, bees, beetles, birds, and butterflies and identifies their ideal flowers! If you have pollinator friendly plants in your garden, next time you are outside, pay attention to which flowers certain pollinators gravitate towards and let us know if our chart is correct! Another way you can observe our pollinator friends is on a summer adventure! We challenge our summer adventure friends to take a picture of a pollinator this week and submit a pollinator photo, along with your selfie to our summer adventure application so that you can be featured in our pollinator week video! If you haven’t signed up already, don’t miss out on the fun! Start your adventure at	Photo	6/22/20 6:00	1506	1506	293
	Photo	6/23/20 8:00	497	497	244
Explore the natural beauty of Harford County streams, take selfies at your favorite locations, earn t-shirts and win prizes in Harford Streams Summer Adventure 2020! Register today at bit.ly/HSSummerAdventure and join the fun! #harfordstreams Harford County Government visit	Link	6/23/20 9:45	1235	1235	334
 🌿🌿🌿 🐝🐝🌿🌿 Hi busy bees! 🌿🌿🌿🐝🐝🌿🌿 Let us continue pollinator week with more pollinator facts and tips! If you are looking to help out our pollinator friends, creating a pollinator garden is a great way to help! Whether you are thinking about creating a pollinator garden, in the midst of gardening, or even if you aren’t thinking about making a pollinator garden, but want to this information along; here are some things to keep in mind when thinking about pollinator gardens! 🌿🌿 Start small- plant one or two native plants in your yard and see how well it grows and how well it spreads. 🌿🌿 Vary bloom times – spring and late fall are one of the most limiting times for pollinators, so it is nice to plant plants that bloom during these seasons to help pollinators. 🌿🌿 Plant in clumps- pollinators need a lot of plants of the same 🌿🌿🌿🐝🐝🌿🌿 Hey kids! Don't 'hive' a clue of how you can 'bee' a pollinator's friend? 🌿🌿🐝🐝🌿🌿🐝 Here's a few things you can do! 🌸🌸Bee kind- because bugs and birds are smaller than us, it is easy for people to harm them. To keep pollinators safe, be quiet and gentle when they are near you! 🌸🌸Look, but don't touch- Pollinators will not hurt you if you leave them alone and are kind, including bees! 🌸🌸Give them a home- take care of your garden, water your plants, and plant some native flowers! 🌸🌸Bee helpful- If a pollinator takes a wrong turn and ends up in your house, don't smush it. Gently take it outside to its natural habitat! 🌸🌸Most importantly, Bug Someone!- teach your friends and family how important these animals are and say "Thanks Bugs!" 🌿🌿This is just a start of the things you can do to help these animals do their job! We encourage you to check out these fun games and activities!🌿🌿 https://bit.ly/KidsPollinatorJournal https://bit.ly/PollinatorActivitesAllAges Don't forget to attach pictures of some pollinator friends you see out on your summer adventure! We are looking forward to featuring them in a pollinators week video! If you haven't signed up already, don't miss out on the fun! Start your adventure at https://bit.ly/SummerAdventureRegister --common milkweed (Asclepias syriaca) pictured below--	Photo	6/24/20 8:00	716	716	317
	Photo	6/25/20 8:00	406	406	248
Hi Summer Adventure friends! We want to make your Summer Adventures as easy and fun as possible. For that reason, we created a video taking you through the steps of photo submissions as well as included some other helpful tips! Our Summer Adventure "How to Guide" will show you how to: 🌸🌸 Submit using the correct username 🌸🌸 Add multiple pictures in your submission. If you have a lot of pictures you want to share with us, you can add multiple pictures in one submission, rather than submitting multiple submissions for one location. 🌸🌸 Add the location of your summer adventure photo(s) #harfordstreams Harford County Government	Video	6/26/20 10:00	1586	1586	297
 🌸🌸 The more you know! 🌸🌸 Bees are vital to the pollination of many plants, including 33% of the foods we eat! Since these super pollinators are always helping us out, here are some ways we can create bee- friendly habitats for stem-nesting bees! #harfordstreams Harford County Government	Photo	6/26/20 10:13	205	205	168
	Photo	6/30/20 8:00	1128	1128	403
Total Impressions			170571		

Anita C. Leight Estuary Cneter Activities 2019-2020	General Public	Students	Groups	Number Reached
Canoe and Kayak Trips	X			179
Canoe and Kayak Trips Schools		X		77
Canoe and Kayak Trips Groups			X	21
SAV Survey	X			6
Envirothon		X		75
Grasses to Masses	x			9
Virtual Wade-In Festival	x			2605
Invasinators	x			7
Juvenile Fish Sampling	X			36
Nature and Nosh	X			112
PhenoForays	X			48
Plankton Monitoring	X			25
Pontoon Boat Trips	X			90
Pontoon Boat Trips Schools		X		8
Summer Camps	X			105
World Wetlands Day Festival	X			275
Totals	3497	160	21	3678

Harford County Department of Parks and Recreation

USE THIS ONE-READY TO USE

Page 1

RECREATION DIVISION ANNUAL REPORT					
Area Reporting:		Eden Mill		Reporting Period: FY20 7/1/19 thru 6/30/20	
I. RECREATION COUNCIL ACTIVITIES, SPECIAL EVENTS & MEETINGS					
Registration 0	Participants 0	Volunteers 0	Volunteer Hrs 0	Cost \$0.00	
II. NATURE CENTER ACTIVITIES, SPECIAL EVENTS & MEETINGS					
Registration 2917	Participants 819	Volunteers 818	Volunteer Hrs 3977	Cost \$83,987.02	
FACILITY USE TIMES					
		Use	Number of Times Used	County Income	
		Indoor Use	725	\$0.00	
		Outdoor Use	743	\$0.00	

Harford County Department of Parks and Recreation

ANNUAL REPORT						Page 5
Area Reporting: Eden Mill			Reporting Period: FY20 7/1/19 thru 6/30/20			
II. NATURE CENTER ACTIVITIES, SPECIAL EVENTS & MEETINGS						
Activity	Registration	Participants (est.)	Vols	Vol Hrs	Cost	
ARTS & CRAFTS	145		6	36		
BOATING (other than canoe/kayak)						
CAMP	42		7	170		
CANOE/KAYAK	323		107	268		
DROP-IN VISITATION (Sundays)		106				
ENVIRONMENTAL PROGRAMS	483		27	41		
HISTORIC PROGRAMS	48		3	6		
MEETINGS		234	234	500		
OUTREACH PROGRAMS		41	1	2		
RESEARCH & MONITORING		42	37	185		
SCHOOL						
SCHOOL OUTREACH	1876					
Volunteer Trainings		30	30	90		
Recorded General Volunteer Activities (non-program or mtg related)		145	145	1951		
Recorded Maintenance		221	221	728		
SUBTOTAL SECTION II - PAGE 5	2917	819	818	3977	\$0.00	

Harford County Department of Parks and Recreation

Area Reporting: Eden Mill

Reporting Period: FY20 7/1/19-6/30/20

II. NATURE CENTER ACTIVITIES, SPECIAL EVENTS & MEETINGS-OTHER

[illegible]

Area Reporting: Eden Mill

Reporting Period: FY20 7/1/19 thru 6/30/20

III. STAFF COORDINATED ACTIVITIES ~ COUNTY PROGRAMS

Activity	Registrants	Participants (est.)	Prog Hrs	Lead Staff	Assistant Staff	Vol's	Vol Hrs	Expenses	County Income
Celtic in Nature	3		1	Bryce					\$0.00
Earth Art Bird Feeders	1		1	Audrey					\$5.00
Summer Camp - All About Animals	15		30	Aimee, Audrey	Bryce				\$2,625.00
Summer Camp- Dear Deer Creek	16		30	Aimee, Audrey	Bryce				\$2,800.00
Summer Camp - Great Green World	18		30	Aimee, Audrey	Bryce				\$3,150.00
Summer Camp - Incredible Insects	17		30	Aimee, Audrey	Bryce				\$2,975.00
Thanksgiving Hike	6		1	Bryce					\$0.00
Hiking Series- Sept	1		1	Audrey					\$0.00
Man on the Moon	5		1	Bryce					\$40.00
Mill Tour 2/24	2		1	Audrey					\$6.00
Master of Origami	2		1	Bryce					\$6.00
Nature Homeschool - December	8		6	Aimee	Audrey				\$200.00
Nature Homeschool - Feb	7		6	Nikki	Aimee, Audrey				\$175.00
Nature Homeschool January	9		6	Nikki	Aimee, Audrey				\$225.00
Nature Homeschool March	10		6	Nikki	Audrey				\$250.00
Nature Homeschool - November	12		6	Aimee	Audrey				\$300.00
Nature Homeschool - October	10		6	Aimee	Audrey				\$250.00
Nature Homeschool- September	5		6	Aimee	Audrey				\$125.00
Nature's Sweet Treat	14		1	Bryce					\$70.00
Outdoor Adventure Camp -August	9		30	Bryce	Aimee, Audrey				\$1,575.00
Outdoor Adventure Camp - July	11		30	Bryce	Aimee, Audrey				\$1,925.00
Skull Skills	12		1	Bryce					\$36.00
The Groundhog Knows	9		1	Bryce					\$27.00
Storybook Adventures - Leaves	3		1	Audrey					\$0.00
Storybook Adventures - Gobblers	3		1	Audrey					\$0.00
Storytime Adventures- Dec	10		1	Audrey					\$0.00
Storytime Adventures- Feb	12		1	Audrey					\$0.00
Storytime Adventures - Jan	8		1	Audrey					\$0.00
Storytime Adventures - March	11		1	Audrey					\$0.00
Critter Dinnertime 7/20	6		1	Danny?					\$0.00
Tweet Treats	1		1	Bryce					\$5.00
Under the Ice	10		1	Bryce					\$0.00
Winter Camping 101	2		1	Bryce					\$0.00

Winter Hiking Series - Historic hike	2		1	Audrey					\$0.00
Winter Hiking Series - Winter Exploration	2		1	Audrey					\$0.00
Drop- in NC visitors		2052		AD, AS, BJ					
TOTAL SECTION III	272	2052	244			0	0	\$0.00	\$16,770.00

Harford County Department of Parks and Recreation

[illegible]

Harford County Department of Parks and Recreation

[illegible]







STOP
ALL WAY

Rain
Garden

Street

Watershed Stewards Academy

Program Background

Harford Streams Watershed Stewards Academy (WSA) is administered through a partnership between the Harford County Watershed Protection and Restoration Program, University of Maryland Sea Grant Extension, and Harford Community College. The WSA is a train-the-trainer program where steward candidates attend approximately 50 hours of classroom and hands-on training (including over 12 hours spent in the field during field trips), install a class project, and complete a small-group or individual capstone project. By completing the course requirements, stewards become urban stormwater management resources for their communities, capable of providing accurate educational information as well as implementing small scale stormwater management and/or water quality projects.

The course is comprised of classroom training that covers: stormwater management history and regulations; soils; native plants and plant selection; stormwater site assessment and planning; small scale Best Management Practice (i.e. rain barrels, downspout disconnects, and rain gardens) implementation; BMP maintenance and maintenance plan development; grant and other funding resources; and social marketing. The course is taught by county staff, University of Maryland Sea Grant Extension Watershed Restoration Specialists, and local experts.

After completing the course and their capstone project, stewards are expected to complete 5 hours of continuing education and 15 hours of volunteer work by the end of the next year (i.e. stewards that completed the course in Spring 2018 had until December 31, 2019 to complete the required hours). Following the first year, stewards are expected to continue to engage in stormwater issues and volunteer in their community by completing a combination of 20 hours of continuing education and volunteer time to maintain their “Master Watershed Steward (MWS)” designation.

Harford Streams Watershed Stewards Academy is the 5th WSA that the University of Maryland Sea Grant Extension has established with partners throughout Maryland. The program is based on a model developed by Anne Arundel Watershed Stewards Academy, which is an independent program that was established in 2009. Although Harford County’s program is new, this training program has a history of success in other Maryland localities and regions.

The 2017-2018 Harford Watershed Stewards Academy successfully graduated nine stewards, who installed and have maintained one class project and completed 2 capstone projects. The 2019-2020 class has trained nine stewards as well, but the class project and many of the capstone projects were interrupted due to COVID-19 restrictions and the deadlines for class and volunteer requirements have been extended.

2017 - 2018 Class Project & Capstone Project Summary

Class Project

This class project was installed on May 12, 2018 at Tollgate Park. The 32 sq. ft. rain garden treats approximately 200 sq. ft. of roof runoff from a concession stand. The rain garden took approximately 6 hours to install. Since completing the initial project installation, the stewards have maintained the rain garden. As of October 30, 2020, the stewards have spent approximately 20 hours on garden maintenance.

Watershed Stewards Academy

Capstone Project

- 💧 Project 1: Floating Wetland Installation at Ladew Topiary Garden - The design consisted of five 4.5' x 4' modular floating wetlands capable of holding 18 native plants that were placed in a former quarry pond. Stewards have spent 8 hours on project maintenance since its installation.
- 💧 Project 2: Pollinator Garden in Havre de Grace - The project, which took 14 hours to install between site prep and final planting, will treat 264 sq. ft. of impervious surface from the roof as well as some sheet flow from the nearby street.
- 💧 Project 3: Harford County Weed Warriors- The stewards partnered with Anita C. Leight Estuary Center and Eden Mill Nature Center to deliver educational information. The stewards spent approximately 10 volunteer hours on the project.

2019 - 2020 Class Project & Capstone Project Summary

Class Project

The steward candidates participated in the class project site selection and project development. Two potential sites were visited and evaluated for BMP implementation. The site evaluation process included identifying impervious surfaces that could be better treated, measuring slopes, and looking for constraints such as existing infrastructure. When COVID-19 restrictions lift, the stewards will implement an approximately 100 sq. ft. rain garden, which will treat 600 sq. ft. of roof runoff from an adjacent pavilion.

Capstone Project

- 💧 Project 1: Floating Wetlands at the Havre de Grace Maritime Museum - One steward completed their capstone project in Spring 2020. Two 10' x 10' floating wetlands capable of holding 100 plants each were implemented at the Environmental Center at the Havre de Grace Maritime Museum. This project was supported by both a MD DNR and Chesapeake Bay Trust grant.
- 💧 Planned Projects - Other planned projects include 4 conservation landscaping projects and 1 rain garden. These projects may be further modified due to COVID-19 restrictions.

Ongoing Activities

Despite COVID-19 restrictions, eight MWS stewards and the nine steward candidates were still able to safely log 645 volunteer and continuing education hours in 2020.

The partners will continue to work closely with the graduated stewards by providing continuing education and project opportunities, serving as a technical resource for questions that are beyond the steward's scope and/or expertise, and ensuring they are meeting their annual volunteer and continuing education hour requirements.

The partners continues to engage the MWS and steward candidates by providing a monthly news bulletin and holding bi-monthly virtual/in person meetings.

Future Classes

The program partners plan to continue to run the class every other year with the next class starting in September 2021, which the partners will begin advertising in early spring 2020. If it is not possible to resume in-person instruction by Fall 2021 due to continuing COVID-19 restrictions, the program will be run virtually. The other WSAs throughout the state have transitioned to virtual instruction during 2020 and have had success conducting the class in an online format.

Watershed Stewards Academy: Class of 2020





BARRY GLASSMAN

HARFORD COUNTY EXECUTIVE

FOR IMMEDIATE RELEASE

May 3, 2019

For more information, contact:

Cindy Mumby

Director of Governmental & Community Relations

410-340-5376

camumby@harfordcountymd.gov

Applications Available for Harford County Master Watershed Stewards Academy; Applicant Information Session May 17

BEL AIR, Md., (May 3, 2019) - Master Watershed Stewards work within their communities to identify pollutants, educate their neighbors about stream health, and take actions to reduce human impacts on water quality. Applications are now being accepted for certification as a Master Watershed Steward in the Master Watershed Stewards Academy, a training program at Harford Community College provided by Harford County Government's Watershed Protection and Restoration Office, and University of Maryland Extension. The academy trains and supports volunteer community leaders in the protection, restoration, and conservation of watersheds to reduce the negative impacts of stormwater runoff. An information session for potential applicants will be held from 6 – 7 p.m. on Tuesday, May 14 at the McFaul Activities Center, 525 West Macphail Road in Bel Air.

The application deadline is July 28 for the program beginning in September 2019 through May 2020.

Academy graduates will have learned best management practices for controlling stormwater in a residential setting; the role of native plants in protecting the environment; hands-on practices in stormwater design and installation; how to educate others about stormwater issues; Geographic Information Systems (GIS) and other online tools for tracking projects, and know how to obtain project funding. Graduates will receive a toolkit with supplies and a certificate as a Master Watershed Steward. The program has been approved for five Maryland State Department of Education (MSDE) credits for educators.

Anyone is welcome to apply, but priority will be given to Harford County residents. Other requirements include basic computer skills, the ability to attend all classes, and a willingness to maintain certification and coordinate projects with the Harford County Watershed Protection and Restoration Office. Classes will be held at Harford


Community College, 401 Thomas Run Road in Bel Air, from September 10, 2019 through May 12, 2020 from 6:00 to 8:30 p.m. on two Tuesday's of every month. There will also be four Saturday sessions from 9 a.m. to 3 p.m. for tours, field trips and class projects, all of which will be local.

Applications and two letters of reference are due by the Sunday, July 28 deadline. Class size is limited to 15 participants. Phone interviews will be conducted in August; Tuition is \$150.

Questions may be addressed to Laura Coste' at 410-638-3217, ext. 2448 or by email at wsa@harfordcountymd.gov.

More information and applications are online at bit.ly/WatershedStewards.

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 Follow us on Twitter [@HarfordCountyMD](https://twitter.com/HarfordCountyMD)

###



Improve stream health
in your community

Harford County Watershed Stewards Academy

TRAIN TO BE A MASTER WATERSHED STEWARD*



Master Watershed Stewards work
within their communities to:



Educate their neighbors about
stream health.



Identify pollutants that impact
stream health.



Take actions to improve
stream health.

APPLICATIONS DUE JULY 28, 2019
FOR THE 2019/20 SCHOOL YEAR

Harford Community College
401 Thomas Run Rd., Bel Air, MD 21015

*Educators can receive 5 MSDE CPD credits

Harford  *Streams*

For more information and applications: email wsa@harfordcountymd.gov
or visit www.harfordcountymd.gov/wsa.



UNIVERSITY OF
MARYLAND
EXTENSION
Solutions in your community

HARFORD
COMMUNITY
COLLEGE



The University of Maryland is an Equal Opportunity Employer and Equal Access Programs.



Harford County Watershed Stewards Academy

Improve stream health in your community

TRAIN TO BE A MASTER WATERSHED STEWARD*

APPLICATIONS DUE JULY 28, 2019 FOR THE 2019/20 SCHOOL YEAR

Harford Community College
401 Thomas Run Rd., Bel Air, MD 21015
*Educators can receive 5 MSDE CPD credits

Harford  *Streams*

APPLY NOW:
bit.ly/WatershedStewards



Master Watershed Stewards work within their communities to:

-  **Educate** their neighbors about stream health.
-  **Identify** pollutants that impact stream health.
-  **Take actions** to improve stream health.

For more information:
wsa@harfordcountymd.gov
www.harfordcountymd.gov/wsa

The University of Maryland is an Equal Opportunity Employer with Equal Access to Programs.






Watershed Stewards Academy Class 20-02

Tentative Syllabus with Dates and Descriptions

1	Tuesday, 09/10/19	6:00 – 8:30	Introduction/Class Policies/Expectations/Icebreakers/Pre-test
2	Tuesday, 09/24/19	6:00 – 8:30	Water Systems & Stormwater Issues Introduction Legislation/Policy & Local Perspective/Programs/Policies
3	Tuesday, 10/08/19	6:00 – 8:30	Introduction to Best Management Practices (BMPs)/Stream Assessment
4	Saturday, 10/12/19	9:00 – 3:00	Stormwater Practice Tour/Intro to Class Project/Intro to Capstone Projects
5	Tuesday, 10/22/19	6:00 – 8:30	GIS & Desktop Analysis
6	Tuesday, 11/05/19	6:00 – 8:30	Neighborhood & Site Assessment
7	Saturday, 11/16/19	9:00 – 3:00	Class Project Tour + Reading Topo map
8	Tuesday, 11/19/19	6:00 – 8:30	Class Project Discussion/Project Checklist
9	Tuesday, 12/03/19	6:00 – 8:30	Soils/Web Soil Survey/Perc Test
10	Tuesday, 01/07/20	6:00 – 8:30	Native Plants + Planting plan design
11	Tuesday, 01/21/20	6:00 – 8:30	Capstone Project Development (BMP Implementation)/ISP Overview
12	Tuesday, 02/04/20	6:00 – 8:30	Project Funding
13	Tuesday, 02/18/20	6:00 – 8:30	Community Engagement
14	Tuesday, 03/03/20	6:00 – 8:30	Social Marketing
15	Tuesday, 03/17/20	6:00 – 8:30	Class Project Work Session (Make-up Session)
16	Tuesday, 03/31/20	6:00 – 8:30	Individual Stormwater Presentations
17	Tuesday, 04/14/20	6:00 – 8:30	Individual Stormwater Presentations
18	Saturday, 4/18/20	9:00 – 12:00	Stan Kollar Field Trip
19	Saturday, 5/02/20	9:00 – 3:00	Class Project (Field Session)
20	Saturday, 5/09/20	9:00 – 3:00	Class Project (Field Session)
21	Tuesday, 5/12/20	6:00 – 9:00	Graduation

- Unless otherwise indicated, all regular sessions will take place at Harford Community College, 401 Thomas Run Rd, Bel Air, MD 21015.
- Outdoor field sessions will take place at sites around Harford County.



Date	Activity	Name/Site	Comments	Steward Hours	Adults Educated	Youth Educated
7/12/2019	Outreach Effort	Juvenile Fish survey- research data collection		19	20	
7/12/2019	Continuing Education	Rachel Carson impersonation & talk on her life & career.		1.5		
7/13/2019	Outreach Effort	Home Depot Bel Air MD		3		
7/16/2019	Networking Event	Steward quarterly meeting		2		
7/16/2019	Networking Event	Steward quarterly meeting		2		
7/20/2019	Outreach Effort	Manned the station at IWLA for the poker run. Returned to Eden Mill for wrap-up and clean-up.	Educated citizens on stream dynamics, where the water at the stream came from and where it goes, and the mission of IWLA.	5		
7/22/2019	Outreach Effort	Harford County Farm Fair		21	150	
7/22/2019	Networking Event	Steward quarterly meeting		1		
7/23/2019	Continuing Education	Outer Banks Park Ranger	talk about turtles and ocean health.	1		
7/24/2019	Outreach Effort	Harford County Farm Fair		10.5		
7/25/2019	Maintenance	Palmer State Park	Adopt-a-Road Clean-up along Forge Hill Road	6	0	0
7/26/2019	Outreach Effort	Harford County Farm Fair		12	70	50
8/1/2019	Continuing Education	Master Gardener	August meeting talk about native plants	1		
9/14/2019	Outreach Effort	Ladew Garden tabling		7.5	150	
10/13/2019	Installation (Lead)	North Harford High School		6	0	0
10/15/2019	Networking Event	Steward quarterly meeting		2		
10/15/2019	Networking Event	Steward quarterly meeting		2		
10/15/2019	Networking Event	Steward quarterly meeting		2		
10/15/2019	Networking Event	WSA Quarterly Meeting		1		
10/19/2019	Outreach Effort	Halloween Hike		5	150	
10/20/2019	Monitoring	At Large	Water quality testing at Sam's Branch, Otter Point Creek, Ha Ha Branch, Gasheys	5	0	0
10/24/2019	Maintenance	Tollgate Park		2	0	0
10/29/2019	Maintenance	Eden Mill Park		3	0	0
10/30/2019	Outreach Effort	Havre de Grace Habitat for Humanity building		3		
11/2/2019	Outreach Effort	Eden Mill Nature Center Fall Fest		5		
11/16/2019	Maintenance	Tollgate Park		2	0	0
12/1/2019	Outreach Effort	Anita C. Leight Estuary Center & Eden Mill Nature Center	Weed Warriors outreach	10		
12/6/2019	Continuing Education	Maryland Water Monitoring Council Conference		10		
1/7/2020	Networking Event	Attended 2019-20 WSA class to meet new members		2		
1/9/2020	Maintenance	Anita C. Leight Estuary Center	Work on erosion display and trail signage	7	0	0
1/10/2020	Maintenance	Bosely Conservancy	marsh Clean-Up Planning, gathering supplies-Covid canceled	3	0	0
1/12/2020	Continuing Education	Doug Tallomy movie/discussion at Leight Center		2		
1/12/2020	Continuing Education	Anita Leight Native Plants Doug Tallamy		2.5		
1/14/2020	Networking Event	Outreach Meeting		1.5		

1/25/2020	Continuing Education	Wildlife and Habitat Management on APG	Supporting the Army's Testing and Training Mission Lecture	2		
1/26/2020	Continuing Education	Lecture about Microplastics by intern at Leight Center		2		
1/26/2020	Continuing Education	Anita C Leight Estuary Center	Case Study on Microplastics	1		
2/1/2020	Outreach Effort	Anita C. Leight Esturary Center	World Wetlands Day	6	100	150
2/11/2020	Continuing Education	WSa Meeting		2		
2/22/2020	Continuing Education	Anne Arundel County	WSA Annual Conference with Allison Mosely	8		
2/22/2020	Continuing Education	Anne Arundel County	Watershed Stewards Academy 9th Annual Conference	9		
2/25/2020	Continuing Education	Silver Spring Park	(1hr) Water Clarity in our Parks	1		
2/27/2020	Continuing Education	Trout Creek Park	(1hr) Benefits of Fire in our Parks	1		
3/15/2020	Continuing Education	Wonderful Wasps Webinar		1.5		
4/8/2020	Monitoring	Palmer State Park	adpot-a-Road clean-up	4	0	0
4/28/2020	Installation (Lead)	Anita C. Leight Estuary Center	Helped develop proposal to plant bald cypress & Atlantic White Cedar trees at Bosely. Proposal sent to CBNERR. Potential funding through a NOAA Stimulus package. As of 10-29, no funding available.	7	0	0
5/7/2020	Installation (Lead)	Welzenbauch- IWLA	Develop concept plan where tree planting might occur as result of I-95 Expansion. Mapping and meetings with JMT/ MDOT Potentially up to 9 acres on land to be purchased by IWLA. Still in negotiations.	8	0	0
5/8/2020	Maintenance	Stream area trash & invasive removal		1.5	0	0
5/14/2020	Continuing Education	NFWF Communications Toolkit		1		
5/14/2020	Continuing Education	Webinars	Tell Your Story! NFWF Communications Toolkit & CWP Modeling Stream Restoration	2		
5/16/2020	Maintenance	Tydings Park	Trash pickup along Island Park & river	2	5	0
5/19/2020	Outreach Effort	Facebook	creation of WSA Facebook page	1		
5/19/2020	Continuing Education	Gardening for Pollinators		1		
5/19/2020	Continuing Education	Gardening for Pollinators		1.5		
5/26/2020	Outreach Effort	Facebook post	Facebook post	0.5		
5/27/2020	Continuing Education	Effective Science Communication Techniques		1		
5/28/2020	Continuing Education	Wonderful Wasps		1.5		
5/29/2020	Maintenance	Susquehanna State Park		2	0	4
5/31/2020	Outreach Effort	Facebook post - stream sunday	Facebook	0.5		
6/4/2020	Continuing Education	webinar	IPC (Interfaith Partners for the Chesapeake) - Fundraising Ideas	1		
6/10/2020	Continuing Education	Wastewater Treatment and Clean Water		1		
6/11/2020	Outreach Effort	Facebook post	6/11, 7/8, 7/27, 8/10, 8/12, 8/19, 8/28, 9/9, 9/11, 10/9, 10/19, 10/29, 11/3	5		
6/17/2020	Maintenance	Conowingo Fisherman's Park		2	0	0
6/24/2020	Continuing Education	virtual tour	Conservation Landscaping Project at Tartan Ridgehosted by Anacostia Riverkeeper via facebook	1		
6/25/2020	Installation (Support)	Churchville Recreation Center Pavillon - Rain Garden	Perc testing of site	6	0	0
6/26/2020	Continuing Education	webinar	Green Stormwater Infrastructure - presented by Blue Water Baltimore	1		
6/29/2020	Continuing Education	Mid-atlantic Climate Change Education Conference		8		
Totals				261.5	645	204

NATIONAL Prescription Drug Take Back Day



IN HARFORD
COUNTY

**CLEAN OUT YOUR
MEDICINE CABINET!**



**Saturday, October 26, 2019
10 a.m. - 2 p.m.**

No questions asked!

4 drop-off locations for unused and expired medicines:

Parking Lot of the County Office Building

220 S. Main Street, Bel Air, MD 21014
(corner of Business Rt 1 and Main Street)

Havre de Grace Police Station

715 Pennington Avenue, Havre de Grace, MD 21078

Maryland State Police Barrack D

1401 Belair Road, Bel Air, MD 21014

Wegmans

21 Wegmans Boulevard, Abingdon, MD 21009



**Information: 410.638.3333 or
odcp@harfordcountymd.gov**



BARRY GLASSMAN
Harford County Executive

AMBER SHRODES
Director, Dept. of Community Services

Office of Drug Control Policy
Harford County Department of Community Services
www.harfordcountymd.gov/services
410.638.3389

Safely Dispose Unwanted Prescription Drugs

Permanent drop-off boxes

No questions asked when medications are turned in!

6 locations now available in Harford County for safe drug disposal:

- **SHERIFF'S MAIN OFFICE**
45 S. Main Street, Bel Air
- **SHERIFF'S NORTHERN PRECINCT**
3724 Norrisville Rd, Jarrettsville
- **SHERIFF'S SOUTHERN PRECINCT**
1305 Pulaski Highway, Edgewood
- **STATE POLICE BEL AIR BARRACK**
1401 Belair Rd, Bel Air
- **HAVRE DE GRACE POLICE DEPT.**
715 Pennington Ave Havre de Grace
- **ABERDEEN POLICE DEPT.**
60 N. Parke St, Aberdeen



No Liquids



Contact 410-638-3333 or odcp@harfordcountymd.gov for more information.



BARRY GLASSMAN
Harford County Executive

AMBER SHRODES
Director, Dept. of Community Services

Office of Drug Control Policy
Harford County Department of Community Services
www.harfordcountymd.gov/services/drugcontrol
410-638-3333



New DEA Policy on Prescription Drug Disposal

DEA Final Rule (full text) available at: <https://federalregister.gov/a/2014-20926>

DEA General Drug Disposal Information: http://www.deadiversion.usdoj.gov/drug_disposal

DEA Finalizes Rule on Controlled Substance Prescription Drug Disposal

SEP 11, 2014 Topics: DEA and Medication disposal

DEA has published its Final Rule on Disposal of Controlled Substances, allowing some DEA registrants to modify their registration to become authorized collectors. The Final Rule implements the Secure and Responsible Drug Disposal Act of 2010, which authorized DEA to develop and implement regulations that would allow authorized entities other than law enforcement to collect unused and unwanted prescription drugs, including CS, for disposal purposes, a DEA press release notes. Under the new rule, some DEA registrants, including manufacturers, distributors, reverse distributors, narcotic treatment programs, retail pharmacies, and hospitals/clinics with an on-site pharmacy, may modify their registration with DEA to become authorized collectors. The Final Rule will take effect on October 9, 2014.

Retrieved on 10/28/2014 from: <http://www.awarerx.org/news/2014/9/dea-finalizes-rule-on-controlled-substance-prescription-drug-disposal>

September 08, 2014

Contact: DEA Public Affairs

(202) 307-7977

DEA Releases New Rules That Create Convenient But Safe and Secure Prescription Drug Disposal Options

SEP 08 (WASHINGTON) - Today the U. S. Drug Enforcement Administration's (DEA's) Final Rule for the Disposal of Controlled Substances, which implements the Secure and Responsible Drug Disposal Act of 2010, was made available online for preview by the *Federal*

Register at <https://s3.amazonaws.com/public-inspection.federalregister.gov/2014-20926.pdf>. The Act, in an effort to curtail the prescription drug abuse epidemic, authorized DEA to develop and implement regulations that outline methods to transfer unused or unwanted pharmaceutical controlled substances to authorized collectors for the purpose of disposal. The Act also permits long-term-care facilities to do the same on behalf of residents or former residents of their facilities. The Final Rule will be officially published tomorrow and will take effect on October 9.

"These new regulations will expand the public's options to safely and responsibly dispose of unused or unwanted medications," said DEA Administrator Leonhart. "The new rules will allow for around-the-clock, simple solutions to this ongoing problem. Now everyone can easily play a part in reducing the availability of these potentially dangerous drugs."

Prior to the passage of the Act, the Controlled Substances Act made no legal provisions for patients to rid themselves of unwanted pharmaceutical controlled substances except to give them to law enforcement, and banned pharmacies, doctors' offices, and hospitals from accepting them. Most people flushed their unused drugs down the toilet, threw them in the trash, or kept them in the household medicine cabinet.

Unused medications in homes create a public health and safety concern, because they are highly susceptible to accidental ingestion, theft, misuse, and abuse. Almost twice as many Americans (6.8 million) currently abuse pharmaceutical controlled substances than the number of those using cocaine, hallucinogens, heroin, and inhalants *combined*, according to the 2012 National Survey on Drug Use and Health. Nearly 110 Americans die every day from drug-related overdoses, and about half of those overdoses are related to opioids, a class of drug that includes prescription painkillers and heroin. More

Drug Take Back Results for FY20

Date	Aberdeen Police Department	Havre de Grace Police Department	Maryland State Police	Harford County Administrative Building	Wegmans
7/8/19	10				
7/17/19	11				
8/1/19	23				
8/14/19	8				
8/28/19	4				
9/11/19	8				
9/13/19	51				
10/3/19	13				
10/16/19	8				
10/26/19		472	248	602	398
10/28/19	15				
11/19/19	31				
11/27/19	31				
12/5/19	16				
12/12/19	5				
12/31/19	10				
1/9/20	14				
1/16/20	15				
1/28/20	14				
2/10/20	7				
2/27/20	11				
3/5/20	7				
3/23/20	5				
	317	472	248	602	398
		Total Pounds Collected		2037	

[Link to update form hours](#)

Service (15 hours per year) – what have you done lately?

Continuing education (5 hours per year) – learn something new every day!

[Helpful Links](#) and [Consortium of Support Professionals](#)

Master Watershed Stewards Meeting – Tuesday, January 19, 2021, 6:30pm to 8:30pm

Future Opportunities & Project Possibilities – if you are interested

Mariner Point Park

Potential for ongoing project/projects at this site. There are areas that receive substantial runoff from parking lots that are very close to the water and could be a good site for rain gardens/conservation landscaping. We could plan to do some guided projects in this area, similar to completing another class project.

See photos at https://drive.google.com/drive/folders/1uTeqqNvE8hg_cuF3qbIS4oz38WT4_idz?usp=sharing

Contact [Kelsey Brooks](#) for more details.

Tollgate Rain Garden

I've attached current photos and the original supplemental plant list.

- 💧 Need current stewards to collaborate on the existing rain garden.
- 💧 Need to identify non-native plants on the hill between the concession stand and the baseball fields.
- 💧 Need to come up with a sketch, plant ideas, etc.
- 💧 Need to organize a spring work day (COVID restriction dependent).

Harford County will supply materials needed.

Contact [Kelsey Brooks](#) for more details.

Floating Wetlands at Susquehanna Museum at the Lock House - Potential wetlands project at this site.

The project would go through Havre de Grace City Hall ([Stephanie Noye](#)) prior to construction.

More detailed information and photos are attached.

Contact [Stephanie Noye](#) for more details.

Service Hour Opportunities – activities that are seeking volunteers

Invasive Plant Removal at Bear Cabin Branch – SEE ATTACHMENT

Opportunity to engage property owners in removing mile a minute at our Bear Cabin project.

[Scott Kearby](#) will be taking the lead on this.

Contact [Scott Kearby](#) for more details if interested in volunteering.

Continuing Education Opportunities – events count for continuing education

Wednesday Water Webinars Events - University of Maryland Extension will be hosting monthly webinars on various water quality related topics.

Salty Roads – Salty Drinking Water?

Wednesday, December 9, 12:00pm to 12:45pm

Virtual event

FREE

The connection of road salts for deicing and its impact on ground and surface water quality will be presented.

Green Stormwater Infrastructure Series

Various Wednesdays and Thursdays from 12:00pm to 1:00pm through December

Virtual event

Cost \$5 per session

Learn how research and work across Pennsylvania are providing cost effective approaches to managing stormwater. Explore how to properly prepare soils, select appropriate vegetation, plant, and maintain green stormwater infrastructure systems.

Chesapeake Bay Landscape Professional (CBLP) Certification Program – Level 1

Session 1: December 1 & 8, 2020, 9 AM – 12 PM

Session 2: January 19 & 26, 2021, 9 AM – 12 PM

Session 3: February 10 & 17, 2021, 9 AM – 12 PM

Various Wednesdays and Thursdays from 12:00pm to 1:00pm through December Virtual and Field

Cost: \$445 includes course materials, videos and examination fee.

This highly interactive course will combine 2-days of online learning and a full-day of field practicums with a variety of dates and locations to select from. CBLP is a voluntary, regional credential for professionals who design, install, and maintain sustainable landscapes. Level 1 is a baseline certification in design, installation, and maintenance of sustainable landscapes, emphasizing proper management of stormwater best management practices (BMPs).

[The Evolution of Drainage and Stormwater Asset Management in Maryland](#)

Tuesday, December 17, 12:00pm to 1:00pm

Virtual event

Cost: \$10

Join Kiona A. Leah, P.E. to learn about drainage and Stormwater Management (SWM) Assets. Drainage systems have always been a critical part of safe travel. In the 1980s the advent of stormwater management and flood control became part of designs creating some of the first large scale ponds near roadways.

Events, Field Trips, & Other Fun Stuff – self explanatory

[Maryland Bald Eagle Nest Monitoring Program Workshop - NHSM](#) (Natural History Society of MD)

Saturday, December 1, from 1:30pm to 2:30pm

Virtual event

Cost: Suggested Donation \$10

The Bald Eagle, is considered one of the greatest conservation successes of the 20th century. From an all-time low of 44 nesting pairs in the state in 1977, more than 1,200 pairs currently breed in Maryland. Today, the Chesapeake Bay region is home to the largest concentrations of Bald Eagles in the lower 48 states. In 2007, The Bald Eagle was removed from the federal threatened and endangered species list and annual surveys of Maryland's Bald Eagle population were discontinued. Maintaining an active monitoring program is vital to knowing when and where changes to breeding eagles are taking place. The Maryland Bird Conservation Partnership's citizen-science monitoring program will document the nesting success and productivity of Maryland's Bald Eagle population to help us to identify what conservation actions may be needed in the future.

We need volunteers to assist us in this effort! In our virtual training workshop, you will learn about Bald Eagles as well as how to monitor them, collect data, and submit your observations. Once the leaves are off the trees, this is the best time to look for eagle nests!

I-O-I (Item of Interest) – random items that could be of interest

[Get into The Grove agri-business incubator](#)

The Grove is an outlet for local area farmers, artists and food processors to sell their products directly to consumers and to actively promote agriculture commerce and sustainability in Harford County.



Hours of operation

7 days a week

7a.m. - 7p.m

[Clear Choices Clean Water's Campaign Webinar](#) – **SAVE THE DATE**

Tuesday, January 19, 2021, from 12:00pm to 12:30pm and 6:30pm to 7:00pm

Virtual event

FREE

Join Theaux Le Gardeur, the Gunpowder RIVERKEEPER, for a discussion on the "Clear Choices Clean Water's campaign. The goal is to outreach, educate and engage Maryland communities in Harford County and prompt them to take pledges to reduce their impacts on stormwater pollution and associated water quality via a social marketing initiative that graphically represents pledges and their associated pollution reductions on a watershed map.





myharford.clearchoicescleanwater.org - On June 8th, 2020, Gunpowder Riverkeeper launched the Clear ChoicesClean Water campaign in partnership with Waterkeepers Chesapeake to increase awareness about how choices residents make impact local rivers and streams and ultimately the Chesapeake Bay.

The campaign inspires people to pledge to implement water friendly practices that reduce polluted stormwater runoff, such as reducing the use of lawn fertilizer, planting native plants, managing pet waste and volunteering time to help with local clean water initiatives.

"The Clear Choices Clean Water Campaign has the ability to increase participation in environmental stewardship while residents stay safer at home," said Theaux Le Gardeur, Executive Director of Gunpowder Riverkeeper.

To connect with the Gunpowder RIVERKEEPER® email at Gunpowderriverkeeper or call 410-967-3526.

To take a pledge:

-  [Pet Poo](#)
-  [Lawn Fertilizer](#)
-  [Native Plants & Pollinators](#)
-  [Healthy Soils](#)

Videos:

- [!\[\]\(effbd7993c63c039a58fd3395789cf3f_img.jpg\) Native Plants Commercial](#)
- [!\[\]\(144980d038f2541d7b588a8a9132bd70_img.jpg\) Pet Poo Commercial](#)
- [!\[\]\(c4ce2d477989700c971cf3d240ad9283_img.jpg\) It All Piles Up... Pick Up your Pet's Poo!](#)
- [!\[\]\(5013555a72072875cb154b597e002a46_img.jpg\) Your Lawn Grows Algae!](#)

Utah's First Wildlife Crossing Is Complete Over I-80 is Now Complete **We are getting our first look! Video**

Latest Quote – random quotes for your entertainment and/or education

"Never explain -- your friends do not need it, and your enemies will not believe you anyway."

Elbert Hubbard, 1856-1915

Funding Opportunities

Maryland Urban and Community Forestry Committee (MUCFC) Grant

Deadline: February and July 15 by 4:30pm

Up to \$1,000

The MUCFC Grant funds tree planting on public land and education projects statewide to enhance Maryland's urban forest.

Chesapeake Bay Trust - Community Engagement Mini Grant

Deadline: Rolling (starts in June)

Up to \$5,000

Mini Grants fund small projects that enhance communities, engage residents, and improve natural resources.

Chesapeake Bay Trust - Environmental Education Grant Program

Deadline: December 10, 2020 by 4:00pm

Up to \$40,000 per year for three years

Funds initiatives and programs that advance environmental literacy and result in students gaining the knowledge, skills, and appreciation for nature to take responsible actions to protect and restore their local environment.

Sponsorship Program

Deadline: Rolling

Generally, sponsorship awards are made at the \$1,000 level for programmatic support and up to \$500 for marketing support. Match is encouraged, but not required.

The Chesapeake Bay Trust will entertain requests to sponsor events, such as conferences, festivals, and forums that allow the Trust to advance its mission.

Featured Master Watershed Steward


Mary Beth O'Bryan is a member of the Stewards Academy's second class. Mary Beth administration for Ecotone, Inc, a design-build restoration company headquartered in Forest the WSA in part to better understand and be simple terms to other residents the restoration does. Mary Beth is most interested in community HOA's, and landowners to the need to address stormwater management passionate about leading community efforts for the Ma & Pa trail and encouraging citizens to get involved in community projects.



Harford Watershed currently works in ecological Hill, MD. She joined able to explain in work that Ecotone connecting resources they issues. She is also trash cleanup along

Although the completion of the second class project was interrupted by COVID restrictions, Mary Beth has started contributing to the Harford WSA by creating and [Harford County Watershed Stewards Academy Facebook page](#). The page helps stewards to connect as they pursue projects, helps advertise the program to the public, and showcases the type of work that stewards do. As of November 24, 2020 the page has 74 followers.

Harford Leadership Academy Alumni Association Meeting



Harford County Water Quality

17

WEDNESDAY, JULY 17, 2019 AT 7:45 AM EDT – 10:30 AM EDT

Water Quality in Harford County

Harford Community College -Darlington Hall

About

Discussion

☆ Interested

🕒 Going

⋮

Details

👤 18 people responded

🕒 Wednesday, July 17, 2019 at 7:45 AM EDT – 10:30 AM EDT


📍 Harford Community College -Darlington Hall

🌐 Public · Hosted by Harford Leadership Academy Alumni Association

AGENDA LINK:
http://faculty.harford.edu/.../DSchwank/HLAA_July2019.html

Water Quality in Harford County
Darlington Hall, Room #210, Harford Community College, 401 Thomas Run... See More

Networking



Harford Community College -Darlington Hall
Bel Air, MD